

Inventors: Philip H. Spano, Jr.

Filed: 11/12/2003

oldest priority 12/7/01

Assignee: McKesson Automation, Pittsburg, PA

Invention: An apparatus with identification on a shelf proximate display the number of varieties of items held on a particular shelf or drawer. (Not the number of discrete items, but rather the number of varieties of different items.)

Set	Items	Description
S1	2078668	NUMBER OR NUMERIC OR AMOUNT OR QUANTITY
S2	2560252	VARIET? OR TYPE? OR KIND? ? OR SORT OR SORTS OR CATEGOR?
S3	6148596	DISPLAY? OR SHOW? OR IDENTIF? OR INDICAT?
S4	58718	CABINET? OR SHELF OR SHELVES OR DRAWER? OR DISPENSAR?
S5	64648	S1(10N)S2
S6	22860	S5(S)S3
S7	47	S6(S)S4
S8	43	RD (unique items)
S9	34	S8 NOT PY>2001

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9/5/1 (Item 1 from file: 2)  
DIALOG(R)File 2:INSPEC  
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6441986 INSPEC Abstract Number: C2000-01-6110J-085

Title: JMTP: an architecture for exploiting concurrency in embedded Java applications with real-time considerations

Author(s): Helaibel, R.; Olukotun, K.

Author Affiliation: Comput. Syst. Lab., Stanford Univ., CA, USA

Conference Title: 1999 IEEE/ACM International Conference on Computer-Aided Design. Digest of Technical Papers (Cat. No.99CH37051) p. 551-7

Publisher: IEEE, Piscataway, NJ, USA

Publication Date: 1999 Country of Publication: USA xxiv+611 pp.

ISBN: 0 7803 5832 5 Material Identity Number: XX-1999-03294

U.S. Copyright Clearance Center Code: 0 7803 5832 5/99/\$10.00

Conference Title: 1999 IEEE/ACM International Conference on Computer-Aided Design. Digest of Technical Papers

Conference Sponsor: IEEE Circuits & Syst. Soc.; IEEE Comput. Soc. DATC; ACM/SIGDA; IEEE; Electron Devices Soc

Conference Date: 7-11 Nov. 1999 Conference Location: San Jose, CA, USA

Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P)

Abstract: Using Java in embedded systems is plagued by problems of limited runtime performance and unpredictable runtime behavior. The Java Multi-Threaded Processor (JMTP) provides solutions to these problems. The JMTP architecture is a single chip containing an off-the-shelf general purpose processor core coupled with an array of Java Thread Processors (JTPs). Performance can be improved using this architecture by exploiting coarse-grained parallelism in the application. These performance improvements are achieved with relatively small hardware costs. Runtime predictability is improved by implementing a subset of the Java Virtual Machine (JVM) specification in the JTP and trimming away complexity without excessively restricting the Java code a JTP can handle. Moreover the JMTP architecture incorporates hardware to adaptively manage shared JMTP resources in order to satisfy JTP thread timing constraints or provide an early warning for a timing violation. This is an important feature for applications with quality-of-service demands. In addition to the hardware architecture, we describe a software framework that analyzes a Java application for expressed and implicit coarse-grained concurrent threads to execute on JTPs. This framework identifies the optimal mapping of an application to a JMTP with an arbitrary number of JTPs. We have tested this framework on a variety of applications including IDEA encryption with different JTP configurations and confirmed that the algorithm was able to obtain desired results in each case. (12 Refs)

Subfile: C

Descriptors: Java; multi-threading; object-oriented programming; quality of service; real-time systems; software architecture

Identifiers: JMTP; concurrency; Java; real-time; embedded systems; runtime performance; Java Multi-Threaded Processor; off-the-shelf general purpose processor; coarse-grained parallelism; performance improvements; Java Virtual Machine; thread timing constraints; quality-of-service; IDEA encryption

Class Codes: C6110J (Object-oriented programming); C6150N (Distributed systems software); C6110B (Software engineering techniques)

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9/5/2 (Item 2 from file: 2)  
DIALOG(R)File 2:INSPEC  
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6409572 INSPEC Abstract Number: B1999-12-8690-001

Title: Economic aspects of cold food pasteurization

Author(s): Bogart, S.L.; Tolstun, N.G.

Conference Title: Proceedings of the 1999 Particle Accelerator Conference  
(Cat. No.99CH36366) Part vol.1 p.603-5 vol.1

Editor(s): Luccio, A.; MacKay, W.

Publisher: IEEE, Piscataway, NJ, USA

Publication Date: 1999 Country of Publication: USA 5 vol. 3778 pp.

ISBN: 0 7803 5573 3 Material Identity Number: XX-1999-02768

U.S. Copyright Clearance Center Code: 0 7803 5573 3/99/\$10.00

Conference Title: Proceedings of the 1999 Particle Accelerator Conference

Conference Sponsor: IEEE Nucl & Plasma Sci. Soc.; American Phys. Soc.

Div. Phys. Beams

Conference Date: 27 March-2 April 1999 Conference Location: New York, NY, USA

Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P)

Abstract: The economics of cold food pasteurization are governed by a number of factors; including: the type of ionizing radiation source (X-Ray, or Gamma), cost and power of the source, pasteurization dose, location of the pasteurization facility, facility capacity factor, and the annualized costs. Using a costing procedure developed by Morrison (1989), calculations for typical sources, locations, etc., have been updated using facility cost estimates prepared by a major U.S. construction firm and scalings from the Morrison data. The "owner's cost" per pound of product is a function of the facility scale, showing an asymptote at ~100 kT (220 million pounds) per year of product. Likewise, the owner's cost significantly depends on the annualization interest rate. A "stand-alone" location of the pasteurization facility has an effect on the cost of the process due to the need to transport product from the meat plant to the facility, the labor for unloading and loading the product at the facility, and the unshared G&A costs at the facility. This increases processing costs and "borrows" into the shelf -life value of the product. An "integrated" location of the pasteurization facility (at the meat plant) minimizes processing cost (inclusive of special labeling) and best fits the operating characteristics of a typical meat plant (2 shift, 5 day week). (2 Refs)

Subfile: B

Descriptors: economics; electron accelerators; food processing industry; gamma-ray applications; X-ray applications

Identifiers: cold food pasteurization; economics; ionizing radiation source; pasteurization dose; pasteurization facility; facility capacity factor; annualized costs; annualization interest rate; meat plant

Class Codes: B8690 (Power applications in food processing industries)

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9/5/3 (Item 3 from file: 2)

DIALOG(R)File 2:INSPEC

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6394028 INSPEC Abstract Number: B1999-12-0590-013

Title: Accelerated durability tests of SMC composite materials for industrial application

Author(s): Camino, G.; Castelli, R.; Cori, C.; Luda, M.P.; Polishchuck, A.Ya.; Romeo, A.

Author Affiliation: Torino Univ., Italy

Journal: CSELT Technical Reports vol.27, no.3 p.351-62

Publisher: CSELT,

Publication Date: June 1999 Country of Publication: Italy

CODEN: CTRPEJ ISSN: 0393-2648



SICI: 0393-2648(199906)27:3L:351:ADTC;1-6

Material Identity Number: I648-1999-005

Language: English; Italian Document Type: Journal Paper (JP)

Treatment: Practical (P)

**Abstract:** A description is given of the physico-chemical principles of a pattern characterising polyester resin matrix composite reinforced by glass fibres to assess long-term behaviour in the presence of high humidity rates. The method is applied to the traditional plastic resin reinforced by glass fibres and to plastic resin reinforced by glass fibres containing 7% of recycled material, of the type used for Telecom Italia network terminals (cabinets, boxes, etc.). Preliminary results show a similar behaviour between the two types of material as to kinetics, quantity of water sorption and of soluble matters. (12 Refs)

Subfile: B

**Descriptors:** glass fibre reinforced composites; humidity; life testing; materials testing; telecommunication equipment testing

**Identifiers:** accelerated durability tests; SMC composite materials; industrial application; physico-chemical principles; polyester resin matrix composite; long-term behaviour; humidity; glass fibre reinforced plastic resin; recycled material; Telecom Italia; network terminals; kinetics; water sorption; sheet moulding compound

**Class Codes:** B0590 (Materials testing); B0550 (Composite materials (engineering materials science)); B6200 (Telecommunication)

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9/5/4 (Item 4 from file: 2)

DIALOG(R)File 2:INSPEC

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5716987 INSPEC Abstract Number: A9722-9385-034, B9711-7710D-013, C9711-7340-042

**Title:** Radiance thresholds and texture parameters for Antarctic surface classification

**Author(s):** Baraldi, A.; Meloni, G.; Parmiggiani, F.

**Author Affiliation:** CNR, Bologna, Italy

**Conference Title:** IGARSS'97. 1997 International Geoscience and Remote Sensing Symposium. Remote Sensing - A Scientific Vision for Sustainable Development (Cat. No.97CH36042) Part vol.1 p.67-9 vol.1

**Editor(s):** Stein, T.I.

**Publisher:** IEEE, New York, NY, USA

**Publication Date:** 1997 **Country of Publication:** USA 4 vol. lxxi+2105 pp.

**ISBN:** 0 7803 3836 7 **Material Identity Number:** XX97-02129

**U.S. Copyright Clearance Center Code:** 0 7803 3836 7/97/\$10.00

**Conference Title:** IGARSS'97. 1997 IEEE International Geoscience and Remote Sensing Symposium Proceedings. Remote Sensing - A Scientific Vision for Sustainable Development

**Conference Sponsor:** IEEE Geosci. & Remote Sensing Soc.; Centre for Remote Imaging, Sensing & Processing, Nat. Univ. Singapore; NASA; NOAA; Office of Naval Res.; URSI

**Conference Date:** 3-8 Aug. 1997 **Conference Location:** Singapore

**Language:** English **Document Type:** Conference Paper (PA)

**Treatment:** Practical (P); Theoretical (T); Experimental (X)

**Abstract:** A sequence of AVHRR images is investigated in order to obtain information about sea ice distribution in the Ross Sea. A supervised classifier, based on decision rules in AVHRR Near IR (2) and thermal (3 and 4) channels, is tuned to the given data set to extract pixels belonging to classes: (a) sea; (b) multiyear ice (ice shelves and bergs); (c) first season ice types (floes and pack); and (d) clouds (thin/thick clouds, water clouds and ice clouds). Pixel-based classification is affected by

underestimation of ice clouds due to interference of multiyear ice and pack. To reduce ice/cloud misclassification, an alternative classification approach exploiting textural information is attempted. Firstly, image segmentation is performed by means of a three-stage procedure consisting of: (a) contour detection and segment extraction; (b) region growing; and (c) clustering of segment-based statistics by means of a neural network model. Secondly, three textural features (mean, recursivity and contrast) are extracted as within-segment statistics. Results show that these segment-based textural parameters cannot be clustered in the measurement space in line with their information classes, i.e., they cannot be effectively employed in the classification scheme to reduce the amount of interference between multiyear ice/first season ice types and ice clouds.

(7 Refs)

Subfile: A B C

Descriptors: geophysical signal processing; geophysics computing; image classification; image segmentation; image texture; infrared imaging; neural nets; oceanographic regions; oceanographic techniques; remote sensing; sea ice

Identifiers: Southern Ocean; Ross Sea; polar ocean; sea ice; remote sensing; measurement technique; optical imaging; IR imaging; sea surface; neural net; textural features; image classification; radiance threshold; texture parameters; Antarctic surface classification; AVHRR image; spatial distribution; supervised classifier; decision rules; first season ice type; floe; pack; image segmentation; contour detection; segment extraction

Class Codes: A9385 (Instrumentation and techniques for geophysical, hydrospheric and lower atmosphere research); A9330R (Regional seas); A9330Q (Southern Ocean); A9210R (Sea ice); A9365 (Data and information; acquisition, processing, storage and dissemination in geophysics); B7710D (Oceanographic and hydrological techniques and equipment); B6140C (Optical information, image and video signal processing); C7340 (Geophysics computing); C5260B (Computer vision and image processing techniques); C5290 (Neural computing techniques)

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9/5/5 (Item 5 from file: 2)

DIALOG(R)File 2:INSPEC

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4413558 INSPEC Abstract Number: B9307-7230G-010

Title: Design and performance of the ImagIR, a commercial infrared camera system with 128\*128 InSb focal plane array

Author(s): Rosner, B.; Stegall, M.; Henricks, T.; Wilson, T.

Author Affiliation: Santa Barbara Focalplane, Goleta, CA, USA

Journal: Proceedings of the SPIE - The International Society for Optical Engineering vol.1689 p.139-52

Publication Date: 1992 Country of Publication: USA

CODEN: PSISDG ISSN: 0277-786X

U.S. Copyright Clearance Center Code: 0 8194 0854 9/92/\$4.00

Conference Title: Infrared Imaging Systems: Design, Analysis, Modeling and Testing III

Conference Sponsor: SPIE

Conference Date: 23-24 April 1992 Conference Location: Orlando, FL, USA

Language: English Document Type: Conference Paper (PA); Journal Paper (JP)

Treatment: Practical (P); Product Review (R)

Abstract: Staring infrared focal plane arrays (FPAs) utilizing uniform/high quantum efficiency detectors are the enabling technology for systems providing high sensitivity, high speed, and low cost. The authors describe the performance and features of the ImagIR, a commercially

available infrared imaging system utilizing staring FPA technology. Budget requirements have driven the infrared community, including the military, to purchase commercially available systems. These systems are required to consist of off-the-shelf hardware and need to interface to commercial display and storage devices. The ImagIR meets and exceeds these requirements by supporting a broad variety of interfaces and by providing a number of storage and processing solutions internal to the system itself. (3 Refs)

Subfile: B

Descriptors: III-V semiconductors; image sensors; indium antimonide; infrared detectors

Identifiers: III-V semiconductor; ImagIR; commercial infrared camera; infrared imaging; staring FPA; InSb focal plane array

Class Codes: B7230G (Image sensors); B7230C (Photodetectors)

Chemical Indexing:

InSb int - In int - Sb int - InSb bin - In bin - Sb bin (Elements - 2)

9/5/6 (Item 6 from file: 2)

DIALOG(R)File 2:INSPEC

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02477076 INSPEC Abstract Number: C85033798, D85001774

Title: The advantages of icons in locating and retrieving

Author(s): Wellman, T.

Journal: The Office vol.101, no.5 p.122, 156

Publication Date: May 1985 Country of Publication: USA

CODEN: OFISAD ISSN: 0030-0128

Language: English Document Type: Journal Paper (JP)

Treatment: General, Review (G)

Abstract: An icon is an electronic picture that represents real-world objects or processes. These small pictures of documents, file holders and file drawers are appearing more frequently on the displays of desktop computers. These icons save a considerable number of keystrokes in operating system commands, requiring only a point and press go sequence to open a document. 'Point' means placing the cursor on the icon, while pressing the 'go' key performs the functions necessary to bring the document to the screen. The number and variety of applications available for use with icons is expanding rapidly. In fact, the more advanced environments provide for linkage of third-party applications so that many software products can be run in conjunction. A few have extended their capabilities to run multiple operating systems. (0 Refs)

Subfile: C D

Descriptors: computer graphics; software packages

Identifiers: icons; desktop computers; operating system commands; third-party applications; software products; multiple operating systems

Class Codes: C6130B (Graphics techniques); D2010 (Business and professional); D5010 (Computers and work stations)

9/5/7 (Item 7 from file: 2)

DIALOG(R)File 2:INSPEC

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02310857 INSPEC Abstract Number: A84094053

Title: Plateaus of the continental margin of Australia and New Zealand

Author(s): Agapova, G.V.; Volokitina, L.P.

Author Affiliation: Shmidt Inst. of Earth Phys., Acad. of Sci., Moscow, USSR

Journal: Okeanologiya

Country of Publication: USSR  
CODEN: OKNOAR ISSN: 0030-1574  
Translated in: Oceanology . vol.23, no.4 p.453-8  
Publication Date: 1983 Country of Publication: USA  
CODEN: ONLGAE ISSN: 0001-4370  
U.S. Copyright Clearance Center Code: 0029-8158/84/2304-0013\$18.00/1  
Language: English Document Type: Journal Paper (JP)  
Treatment: Experimental (X)

Abstract: The many plateaus within the continental margins of Australia and New Zealand can be separated into three categories, according to a number of morphological features, bathymetric position, and thickness and structure of the sedimentary cover. The first includes the sunken sectors of the shelf and the upper part of the continental slope, and the second embraces the sunken and dismembered blocks of the margin. The third category comprises the accumulative plateaus, formed on the vast steps of the slope. The structure and morphology of the plateaus indicate significant subsidence of the margins, which took place in the Indian and Pacific ocean regions, having been most active during Mesozoic-Cenozoic time. (25 Refs)

Subfile: A

Descriptors: bathymetry; oceanic crust; sediments

Identifiers: oceanic crust; Pacific; Indian Ocean; Beachport; Papua; Queensland; Challenger; Chatham; Campbell; West Australian Basin; Tasman plateau; Scott; Exmouth; Wallaby; Naturaliste; Eyre; Ceduna; sediment; continental margin; Australia; New Zealand; bathymetric; thickness

Class Codes: A9135G (Structure of the crust and upper mantle); A9150 (Marine geology and geophysics); A9150G (Bathymetry and noncoastal underwater morphology); A9330F (Australia); A9330N (Indian Ocean); A9330P (Pacific Ocean); A9330R (Regional seas)

9/5/8 (Item 8 from file: 2)

DIALOG(R)File 2:INSPEC

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01947225 INSPEC Abstract Number: C82040542

Title: Personal computers in the undergraduate curriculum: an example

Author(s): Kelsh, J.P.; Hansen, J.C.

Author Affiliation: Dept. of Math., Xavier Univ., Cincinnati, OH, USA

Journal: SIGCSE Bulletin vol.14, no.3 p.11-14

Publication Date: Sept. 1982 Country of Publication: USA

CODEN: SIGSD3 ISSN: 0097-8418

Language: English Document Type: Journal Paper (JP)

Treatment: Practical (P)

Abstract: The authors show how off-the-shelf personal computers can be used in a variety of ways and at a number of levels to enrich the study of computers at small colleges. It is not their intent to suggest that personal computers replace larger mainframes in computer science courses. Rather, they intend to show how these computers can be used to give small colleges the ability to teach meaningful courses in subjects which until recently could be taught only at universities fortunate enough to possess large computer laboratories and their own hardware experts. (5 Refs)

Subfile: C

Descriptors: computer science education; personal computing

Identifiers: undergraduate curriculum; personal computers; small colleges; computer science courses

Class Codes: C0220 (Education and training); C7830 (Home computing)

9/5/9 (Item 9 from file: 2)  
DIALOG(R)File 2:INSPEC  
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01796149 INSPEC Abstract Number: A82015502  
Title: On the temper embrittlement of manganese-molybdenum-nickel steels  
Author(s): Druce, S.G.; Edwards, B.C.  
Author Affiliation: Atomic Energy Res. Establ., Harwell, UK  
Journal: Nuclear Technology vol.55, no.2 p.487-98  
Publication Date: Nov. 1981 Country of Publication: USA  
CODEN: NUTYBB ISSN: 0029-5450  
Conference Title: Materials Performance in Nuclear Steam Generators  
Presented at the ANS Second International Conference  
Conference Date: 6-10 Oct. 1980 Conference Location: St. Petersburg,  
FL, USA  
Language: English Document Type: Conference Paper (PA); Journal Paper  
(JP)

Treatment: Experimental (X)

Abstract: The susceptibilities to temper embrittlement of commercially produced thick section A533B Class 1 and A508 Class 3 steels have been investigated by Charpy impact testing following isothermal heat treatments. In addition, the combined effects of austenite grain size and impurity content have been studied using experimental melts of the 533B/508 Class 3 type alloy composition doped with specific impurities. The lower and upper shelf fracture modes were examined as a function of aging treatment, and samples exhibiting a low temperature intergranular fracture mode were examined using Auger electron spectroscopy to determine the amount and types of elements segregated at the grain boundaries. While the commercial materials have been found to exhibit only small increases in the ductile-brittle transition temperature after isothermal aging at 450 to 500 degrees C, large increases are observed for the experimental material with a high phosphorus content. The degree of embrittlement is strongly dependent on austenite grain size, increasing with increasing grain size. These results indicate the need for close control of chemical composition of the steel in inhibiting embrittlement and cracking in the weld coarse-grained, heat-affected zone regions. (20 Refs)

Subfile: A

Descriptors: alloy steel; ductile-brittle transition; embrittlement; fission reactor materials; manganese alloys; molybdenum alloys; nickel alloys; tempering

Identifiers: fission reactor material; Mn-Mo-Ni steel; grain boundary segregation; susceptibilities to temper embrittlement; A508 Class 3 steels; Charpy impact testing; isothermal heat treatments; austenite grain size; impurity content; shelf fracture modes; aging; intergranular fracture mode; ductile-brittle transition temperature; cracking

Class Codes: A2842Q (Structural and shielding materials); A6220M (Fatigue, brittleness, fracture, and cracks); A8140G (Other heat and thermomechanical treatments); A8140N (Fatigue, embrittlement, and fracture)

9/5/10 (Item 10 from file: 2)  
DIALOG(R)File 2:INSPEC  
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01224285 INSPEC Abstract Number: B78032749, C78020229  
Title: Programmable circuit to identify signal arrival order  
Author(s): Murugesan, S.  
Author Affiliation: ISRO Satellite Centre, Peenya, Bangalore, India  
Journal: IEEE Transactions on Instrumentation and Measurement  
vol.IM-27, no.1 p.109-10  
Publication Date: March 1978 Country of Publication: USA

CODEN: IEIMAO ISSN: 0018-9456

Language: English Document Type: Journal Paper (JP)

Treatment: Applications (A); Practical (P)

Abstract: A simple circuit, using a counter, to identify the signal which arrives in a particular place in the arrival order is described. It uses off-the-shelf components, without need for threshold logic gates, and avoids the complexity of the circuits using vertex gates. The circuit is programmable and can easily be extended to more number of inputs. It finds application in a variety of fields. (5 Refs)

Subfile: B C

Descriptors: logic circuits; signal processing

Identifiers: counter; threshold logic gates; vertex gates; signal arrival order identifying circuit; programmable circuit

Class Codes: B1265B (Logic circuits); B6140 (Signal processing and detection); C5120 (Logic and switching circuits)

9/5/11 (Item 11 from file: 2)

DIALOG(R) File 2:INSPEC

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01223653 INSPEC Abstract Number: C78019543

Title: Loading capacity of warehouses using multilayer stacking of goods

Author(s): Perochinskii, B.L.

Journal: Mekhanizatsiya i Avtomatizatsiya Proizvodstva no.4 p.13-14

Publication Date: 1978 Country of Publication: USSR

CODEN: MAVPAC ISSN: 0025-8873

Language: Russian Document Type: Journal Paper (JP)

Treatment: Applications (A); Practical (P)

Abstract: The capacity of multilayer stacking warehouses is limited by the overhead freeboard required by the crane, and the need that shelf units should be charged with containers or pallets of components of the same type. The latter constraint is expressed statistically using an accepted correlation for the distribution of products from a production unit, and the analysis used to obtain an expression for expected utilisation of storage space as a function of height and number of component types. It is shown that where large numbers of component types are produced an optimal warehouse height exists. (0 Refs)

Subfile: C

Descriptors: warehouse automation

Identifiers: crane; containers; pallets; warehouse loading capacity; goods multilayer stacking

Class Codes: C3320 (Materials handling)

9/5/12 (Item 12 from file: 2)

DIALOG(R) File 2:INSPEC

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00762921 INSPEC Abstract Number: A75038878

Title: Reflection of tidal waves from the shelf zone

Author(s): Nekrasov, A.V.

Author Affiliation: Leningrad Hydrometeorological Inst., USSR

Journal: Okeanologiya vol.13, no.2 p.210-15

Publication Date: 1973 Country of Publication: USSR

CODEN: OKNOAR ISSN: 0030-1574

Translated in: Oceanology vol.13, no.2 p.166-70

Publication Date: 1973 Country of Publication: USA

CODEN: ONLGAR ISSN: 0001-4370

Language: English Document Type: Journal Paper (JP)

Treatment: Theoretical (T)

Abstract: The combined effect of energy losses and multiple scattering of a tidal wave in the shelf zone on the nature of tidal oscillations in the deep-sea part of a basin is analyzed. The coefficient of total reflection from the shelf zone is generally a complex quantity, i.e., reflection is accompanied by a phase shift. Various types of boundary conditions allowing for energy losses and phase shifts during reflection are considered. It is shown that allowance for shelf effects can lead to a substantial rearrangement of the calculated tidal pattern in the ocean, i.e., the difference in the location of amphidromic points may reach hundreds and thousands of kilometers. A tentative estimate is made of the rate of tidal energy dissipation at the head of the Bay of Bengal.

Subfile: A

Descriptors: liquid surface waves; oceanography; tides

Identifiers: reflection; tidal waves; shelf zone; combined effect; energy losses; multiple scattering; tidal oscillations; coefficient of total reflection; boundary conditions; phase shifts; tidal pattern; location of amphidromic points; rate of tidal energy dissipation; head; Bay of Bengal

Class Codes: A9210 (Physics of the oceans)

9/5/13 (Item 13 from file: 2)

DIALOG(R) File 2:INSPEC

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00524122 INSPEC Abstract Number: B73022956

Title: A battery-charging storage rack for portable instruments

Author(s): Powell, T.J.

Author Affiliation: Univ. Michigan, Ann Arbor, MI, USA

Journal: Health Physics vol.24, no.4 p.441-2

Publication Date: April 1973 Country of Publication: UK

CODEN: HLTPAO ISSN: 0017-9078

Language: English Document Type: Journal Paper (JP)

Treatment: New Developments (N); Practical (P)

Abstract: The battery charging storage rack described is a simple way to recharge the batteries in a large number of instruments without the confusion of having a variety of battery chargers for different instruments. The rack is simply a shelf for instrument storage that has been divided into a number of storage locations or stations. At each station is located an outlet to connect an instrument to a battery charging circuit and a pilot light to indicate that the instrument's batteries are being charged. (2 Refs)

Subfile: B

Descriptors: secondary cells

Identifiers: battery charging storage rack; storage rack for portable instruments

Class Codes: B0170J (Product packaging); B1210 (Power electronics, supply and supervisory circuits); B8360 (Power convertors and power supplies to apparatus)

9/5/14 (Item 1 from file: 7)

DIALOG(R) File 7:Social SciSearch(R)

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03585283 Genuine Article#: 404EF Number of References: 61

Title: A meta-analysis of the published research on the effects of child sexual abuse

Author(s): Paolucci EO (REPRINT); Genuis ML; Violato C

Corporate Source: Intaglio Res 498,918-16 Ave NW/Calgary/AB T2M 0K3/Canada/

(REPRINT); Natl Fdn Family Res & Educ, Calgary/AB/Canada/; Univ  
 Calgary, Dept Appl Psychol, Calgary/AB/Canada/  
 Journal: JOURNAL OF PSYCHOLOGY, 2001, V135, N1 (JAN), P17-36  
 Publisher: HELDREF PUBLICATIONS, 1319 EIGHTEENTH ST NW, WASHINGTON, DC  
 20036-1802 USA

Language: English Document Type: Article

Journal Subject Category: PSYCHOLOGY

**Abstract:** A meta-analysis of the published research on the effects of child sexual abuse (CSA) was undertaken for 6 outcomes: posttraumatic stress disorder (PTSD), depression, suicide, sexual promiscuity, victim-perpetrator cycle, and poor academic performance. Thirty-seven studies published between 1981 and 1995 involving 25,367 people were included. Many of the studies were published in 1994 (24; 65%), and most were done in the United States (22; 59%). All six dependent variables were coded, and effect sizes (d) were computed for each outcome. Average unweighted and weighted ds for each of the respective outcome variables were .50 and .40 for PTSD, .63 and .44 for depression, .63 and .44 for suicide, .59 and .29 for sexual promiscuity, .41 and .16 for victim-perpetrator cycle, and .24 and .19 for academic performance. A file drawer analysis indicated that 277 studies with null ds would be required to negate the present findings. The analyses provide clear evidence confirming the link between CSA and subsequent negative short- and long-term effects on development. There were no statistically significant differences on ds when various potentially mediating variables such as gender, socioeconomic status, type of abuse, age when abused, relationship to perpetrator, and number of abuse incidents were assessed. The results of the present meta-analysis support the multifaceted model of traumatization rather than a specific sexual abuse syndrome of CSA.

**Descriptors--Author Keywords:** childhood sexual abuse ; meta-analysis ; posttraumatic stress disorder ; suicide

**Identifiers--KeyWord Plus(R):** LONG-TERM; ADULT ADJUSTMENT; IMPACT; WOMEN; VICTIMIZATION; BEHAVIOR; MEN; FEMALES; VICTIMS; STRESS

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9/5/15 (Item 2 from file: 7)  
 DIALOG(R)File 7:Social SciSearch(R)  
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03180511 Genuine Article#: ZL318 Number of References: 24  
 Title: Consumers' perceptions of the assortment offered in a grocery  
 category: The impact of item reduction  
 Author(s): Broniarczyk SM (REPRINT); Hoyer WD; McAlister L  
 Corporate Source: UNIV TEXAS, HE HARTFELDER SOUTHLAND CORP REGENTS CHAIR  
 EFFECT/AUSTIN//TX/78712 (REPRINT)  
 Journal: JOURNAL OF MARKETING RESEARCH, 1998, V35, N2 (MAY), P166-176  
 Publisher: AMER MARKETING ASSOC, 250 SOUTH WACKER DRIVE SUITE 200, CHICAGO,  
 IL 60606-5819  
 Language: English Document Type: Article  
 Subfile: CC SOCS--Current Contents, Social & Behavioral Sciences  
 Journal Subject Category: BUSINESS  
 Abstract: Grocery retailers have been informed that, to remain competitive,  
 they must reduce the number of stockkeeping units (SKUs) offered, in  
 line with consumer demand, or, in other words, adopt 'Efficient  
 Assortment.' Retailers have resisted this principle on the basis of a  
 fear that eliminating items would lower consumer assortment perceptions  
 and decrease the likelihood of store choice. In two studies, the  
 authors examine how consumers form assortment perceptions in the face  
 of SKU reduction with a particular emphasis on two heuristic cues: the  
 availability of a favorite product and the amount of shelf space

devoted to the category. Results indicate that retailers might be able to make substantive reductions in the number of items carried without negatively affecting assortment perceptions and store choice, as long as only low-preference items are eliminated and category space is held constant. Thus, the potential risk inherent in item reduction might be more limited than initially thought. The authors then discuss the implications of these findings for retailers, as well as additional measurement considerations.

Identifiers--Keyword Plus(R): RETAIL

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9/5/16 (Item 1 from file: 8)  
 DIALOG(R)File 8:Ei Compendex(R)  
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05836583 E.I. No: BIP01256546985  
 Title: Enhancing the profitability of a vertically integrated wood products production system. Part 2. A case study  
 Author: Carino, H.F.; Willis III, D.B.  
 Corporate Source: School of Forestry Alabama Agri. Expt. Sta. Auburn Univ., Auburn, AL 36849, United States  
 Source: Forest Products Journal v 51 n 4 April 2001 2001. p 45-53  
 Publication Year: 2001  
 CODEN: FPJOAB ISSN: 0015-7473  
 Language: English  
 Document Type: JA; (Journal Article) Treatment: G; (General Review)  
 Journal Announcement: 0106W4

Abstract: This paper presents the results of a case study to demonstrate the efficacy of linear programming in solving a complex set of production-inventory problems frequently faced by integrated wood products manufacturing operations. The specific operation in this case was a vertically integrated hardwood lumber- cabinet manufacturing operation in the South. The objective of the analysis was to determine the optimal sawlog and lumber production-inventory program for the study mill over a specified planning horizon. The production-inventory problem in this case was to determine the best combination, in terms of types and quantity ,

of log input and lumber output and the minimum inventory level for each that maximizes monthly profit. Results indicate that mill profit could be maximized by adopting a log procurement policy that ensures the delivery of about 1,224 cunits of logs for producing about 500,000 board feet of lumber per month, on average, while maintaining at least a 2-week log inventory. Such a policy could result in profit improvement of up to 156 percent over that resulting from the minimum 1-month log inventory policy at the time of the study. Parametric analysis also showed that mill profitability is very sensitive to changes in kiln-dried lumber prices, sawmill conversion efficiency, and lumber drying degrade; moderately sensitive to changes in log supply and prices, processing costs, and inventory costs; and insensitive to changes in the supply of short logs. 7 Refs.

Descriptors: \*Wood products; Linear programming; Sawmills; Drying; Costs; Inventory control; Production control

Identifiers: Procurement policies

Classification Codes:

811.0.3 (Economics, Research & Miscellaneous); 811.0.4 (Engineering & Process Control)

811.2 (Wood & Wood Products); 723.1 (Computer Programming); 821.6 (Farm Buildings & Other Structures); 802.3 (Chemical Operations); 811.0 (General Topics in Paper Science & Technology); 911.3 (Inventory Control); 913.2 (Production Control)

811 (Cellulose, Paper & Wood Products); 723 (Computer Software, Data Handling & Applications); 821 (Agricultural Equipment & Methods); 802 (Chemical Apparatus & Plants; Unit Operations; Unit Processes); 911 (Cost & Value Engineering; Industrial Economics); 913 (Production Planning & Control; Manufacturing)

81 (CHEMICAL ENGINEERING, PROCESS INDUSTRIES); 72 (COMPUTERS & DATA PROCESSING); 82 (AGRICULTURE ENGINEERING & FOOD TECHNOLOGY); 80 (CHEMICAL ENGINEERING, GENERAL); 91 (ENGINEERING MANAGEMENT)

9/5/17 (Item 2 from file: 8)

DIALOG(R)File 8: Ei Compendex(R)

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05431242 E.I. No: BIP99124935668

Title: Prove accelerate di resistenza alla degradazione di materiali compositi SMC per applicazioni industriali

Title: Accelerated durability tests of SMC composite materials for industrial application

Author: Camino, G.; Castelli, R.; Cori, C.; Luda, M.P.; Polishchuck, A. Ya.; Romeo, A.

Corporate Source: Univ of Torino, Italy

Source: CSELT Technical Reports v 27 n 3 Jun 1999. p 351-362

Publication Year: 1999

CODEN: CTRPEJ ISSN: 0393-2648

Language: English; Italian

Document Type: JA; (Journal Article) Treatment: A; (Applications); X; (Experimental)

Journal Announcement: 0001W4

Abstract: Description of physico-chemical principles of a pattern characterising polyester resin matrix composite reinforced by glass fibres to assess long term behaviour in the presence of high humidity rates. The method is applied to the traditional plastic resin reinforced by glass fibres and to plastic resin reinforced by glass fibres containing 7% of recycled material, of the type used for Telecom Italia network terminals (cabinets, boxes, etc.). Preliminary results show a similar behaviour between the two types of material as to kinetics, quantity of water sorption and of soluble matters. (Author abstract) 12 Refs.

Descriptors: \*Glass fiber reinforced plastics; Durability; Sheet molding compounds; Polyesters; Nonmetallic matrix composites; Reaction kinetics; Water absorption; Solubility; Hydrolysis; Diffusion

Identifiers: Hydrophilization; Water sorption kinetics; Water solubility coefficient; Water diffusion coefficient

Classification Codes:

815.1.1 (Organic Polymers)

817.1 (Plastics Products); 812.3 (Glass); 815.1 (Polymeric Materials); 802.3 (Chemical Operations); 801.4 (Physical Chemistry); 802.2 (Chemical Reactions)

817 (Plastics, Products & Applications); 812 (Ceramics & Refractories); 815 (Plastics & Polymeric Materials); 802 (Chemical Apparatus & Plants); 801 (Chemical Analysis & Physical Chemistry)

81 (CHEMICAL PROCESS INDUSTRIES); 80 (CHEMICAL ENGINEERING)

9/5/18 (Item 3 from file: 8)  
DIALOG(R) File 8: Ei Compendex(R)  
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04291038 E.I. No: EIP95112928029

Title: User involvement in the design process: a case for end-user evaluation of software packages

Author: Noyes, J.M.; Harriman, J.C.

Corporate Source: Univ of Bristol

Conference Title: IEE Computing and Control Division Colloquium on Human Centred Automation

Conference Location: London, UK Conference Date: 19950627

E.I. Conference No.: 43934

Source: IEE Colloquium (Digest) n 141 1995. IEE, Stevenage, Engl. p 2/1-2/3

Publication Year: 1995

CODEN: DCILDN ISSN: 0963-3308

Language: English

Document Type: CA; (Conference Article) Treatment: G; (General Review)

Journal Announcement: 9601W3

Abstract: Since, the early 1980s, the number of variety of 'off-the-shelf' software packages have increased dramatically. Such an increase has important implications in terms of the increasing number of end-users, who are using software not tailored to meet their specific needs and requirements. This indicates that the need to evaluate software from perspective of the end-user within an organisation is now even greater. In addition, the recent surge of interest in usability and the overall trend towards greater user involvement in system and product development implies that end-user evaluation will become an increasingly prominent feature of new software development. 9 Refs.

Descriptors: \*Computer software; Software engineering; Systems analysis; Computer software selection and evaluation; Performance; Standards; User interfaces; Word processing

Identifiers: End-user evaluation; Software life cycle; Word-processing package; Usability

Classification Codes:

723.1 (Computer Programming); 902.2 (Codes & Standards); 722.2 (Computer Peripheral Equipment); 723.2 (Data Processing)

723 (Computer Software); 902 (Engineering Graphics & Standards); 722 (Computer Hardware)

72 (COMPUTERS & DATA PROCESSING); 90 (GENERAL ENGINEERING)

9/5/19 (Item 4 from file: 8)  
DIALOG(R) File 8: Ei Compendex(R)

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03903276 E.I. No: EIP94071348306

Title: Geochemical investigation of samples from the Volgian Bazhenov Formation, Western Siberia, Russia

Author: Telnaes, N.; Isaksen, G.H.; Douglas, A.G.

Corporate Source: Norsk Hydro Research Cent, Bergen, Norway

Source: Organic Geochemistry v 21 n 5 May 1994. p 545-558

Publication Year: 1994

CODEN: ORGEDE ISSN: 0146-6380

Language: English

Document Type: JA; (Journal Article) Treatment: X; (Experimental)

Journal Announcement: 9409W2

Abstract: In this paper we present analyses of five core samples from the Volgian Bazhenov Formation. Three different organic facies (A, B, and C) are proposed based on microscopical, bulk and biomarker analyses. Facies A and B have much in common, including low hopane/sterane ratios, C//3//5/C//3//4 hopane ratios slightly above 1.0, small amounts of tricyclic terpanes, and a range of alkylthiophenes in their pyrolysates. However, Facies A and B show some differences. For example, Facies A shows a slight even/odd (C//2//2-C//2//7) n-alkane predominance in some of the samples, while Facies B lacks 28,30-bisnorhopane, and shows significantly different n-alkane/isoprenoid ratios. These findings contrast with those of Facies C, which shows very low organic sulfur, an odd/even predominance in the higher n-alkanes, a high C//2//9/C//2//7 sterane ratio, a very high hopane/sterane ratio, and is very low in tricyclic terpanes. The timing of hydrocarbon generation from Facies A, together with the type and amount of organic matter, appears to be similar to that of the Upper Jurassic of the Norwegian continental shelf. It appears that Facies A and B have similar types of organic matter, with a somewhat higher input of terrestrial debris in the latter and, contrastingly, in Facies C an even greater proportion of terrestrial organic matter. (Author abstract) 34 Refs.

Descriptors: \*Geochemistry; Core samples; Core analysis; Rocks; Paraffins; Geology; Oil fields; Natural gas fields; Deposition; Reaction kinetics  
Identifiers: Bazhenov formation; Russia; Source rock; Depositional environment; Biomarkers; Maturity; Organic matter

Classification Codes:

512.1.2 (Development Operations); 512.1.1 (Oil Fields)

481.2 (Geochemistry); 512.1 (Petroleum Deposits); 483.1 (Soils & Soil Mechanics); 804.1 (Organic Components); 481.1 (Geology)

481 (Geology & Geophysics); 512 (Petroleum & Related Deposits); 483 (Soil Mechanics & Foundations); 804 (Chemical Products)

48 (ENGINEERING GEOLOGY); 51 (PETROLEUM ENGINEERING); 80 (CHEMICAL ENGINEERING)

9/5/20 (Item 5 from file: 8)

DIALOG(R)File 8:Ei Compendex(R)

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03500853 E.I. Monthly No: BIM9210-052894

Title: A standardized abrasion resistance test for undersea cable jackets.

Author: Sandwith, C. J.; Ruedisueli, R. L.; Welch, M. L.

Conference Title: Proceedings of Oceans '91

Conference Location: Honolulu, HI, USA Conference Date: 19911001

Sponsor: IEEE Oceanic Engineering Soc

E.I. Conference No.: 16933

Source: Ocean Technologies and Opportunities in the Pacific for the 90's

Proc Oceans 91 Oceans (New York) v 1. Publ by IEEE, IEEE Service Center, Piscataway, NJ, USA (IEEE cat n 91CH3063-5). p 296-300

Publication Year: 1991

CODEN: OCNSDK ISSN: 0197-7385 ISBN: 0-7803-0202-8

Language: English

Document Type: PA; (Conference Paper) Treatment: X; (Experimental); G; (General Review); A; (Applications)

Journal Announcement: 9210

Abstract: Development of a practical, standard test that could be used to predict abrasion resistance of candidate cable jackets, to detect reduced quality of cable jackets, or to maintain production line acceptance/rejection criteria would be a great benefit to the undersea cable community. The Applied Physics Laboratory, University of Washington, is investigating such a test, based on applying a modified Taber Abraser to jackets on finished cable sections. The Taber Abraser Model 5150 is an off-the-shelf industrial unit which is used to conduct wear tests on various surfaces under controlled conditions. It was modified for cable use. Wear depth, number of cycles, abrasion wheel diameter, cable weight, cable type, wheel filling (plugging), and applied load are recorded. The results suggest that the modified Taber test can distinguish any differences in jacket thickness and markedly different abrasion conditions. Because of the aggressiveness of the abrasion, the test should also distinguish between jacket materials based on their abrasion resistance. The results can be used to show the range of break-through cycles for the nominal jacket thickness. 8 Refs.

Descriptors: \*TELECOMMUNICATION CABLES---\*Testing; ELECTRIC CABLES--Abrasion Resistance; MATERIALS TESTING APPARATUS; MATERIALS TESTING

Identifiers: UNDERSEA CABLE JACKETS; TABER ABRASER

Classification Codes:

716 (Radar, Radio & TV Electronic Equipment); 717 (Electro-Optical Communications); 706 (Electric Transmission & Distribution); 421 (Materials Properties); 423 (General Materials Properties & Testing)

71 (ELECTRONICS & COMMUNICATIONS); 70 (ELECTRICAL ENGINEERING); 42 (MATERIALS PROPERTIES & TESTING)

9/5/21 (Item 6 from file: 8)

DIALOG(R)File 8: Ei Compendex(R)

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02555430 E.I. Monthly No: EIM8803-018327

Title: COMPUTER SIMULATION OF SUPER WINDOW GLAZING SYSTEMS WHICH INCORPORATE TEFLON (FEP) INNER GLAZINGS.

Author: Wright, John L.

Corporate Source: Natl Research Council of Canada, Ottawa, Ont, Can

Conference Title: INTERSOL 85: Proceedings of the Ninth Biennial Congress of the International Solar Energy Society.

Conference Location: Montreal, Que, Can Conference Date: 19850623

Sponsor: Int Solar Energy Soc, Parkville, Aust

E.I. Conference No.: 10771

Source: v 1. Publ by Pergamon Press, New York, NY, USA p 267-271

Publication Year: 1986

ISBN: 0-08-033177-7

Language: English

Document Type: PA; (Conference Paper)

Journal Announcement: 8803

Abstract: The solar and thermal characteristics of various glazing systems incorporating Teflon (FEP) films as inner glazings are examined. Teflon film was chosen because of its excellent chemical and UV stability, very high solar and visible transmissivity, low weight and off-the-shelf

availability. Variables include number of glazings, inter-pane spacing, Teflon film thickness, fill gas type and the placement of low emissivity coatings. It is shown that the long-wave ( $\text{LAMBDA} > 3 \text{ MU m}$ ) optical properties of thin Teflon film make them well suited for use as inner glazings when used in conjunction with a low emissivity coating. For example, two panes of conventional window glass plus one low emissivity coating and one Teflon film have more than 50% greater thermal resistance than the same glazing system without the Teflon film (and more than double that of conventional double glazed). The shading coefficients of these two windows are essentially equal. (Author abstract) 8 refs.

Descriptors: \*GLAZES--Computer Simulation; FLUORINE CONTAINING POLYMERS; WINDOWS--Thermal Properties; SOLAR RADIATION; PLASTICS FILMS--Optical Properties; COMPUTER SOFTWARE

Identifiers: TEFLON; SHADING COEFFICIENT; 4-VALUE; VISION PROGRAM

Classification Codes:

812 (Ceramics & Refractories); 723 (Computer Software); 817 (Plastics, Products & Applications); 402 (Buildings & Towers); 657 (Space Physics)

81 (CHEMICAL PROCESS INDUSTRIES); 72 (COMPUTERS & DATA PROCESSING); 40 (CIVIL ENGINEERING); 65 (AEROSPACE ENGINEERING)

9/5/22 (Item 7 from file: 8)  
DIALOG(R) File 8: Ei Compendex(R)  
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01865922 E.I. Monthly No: EIM8504-022406

Title: FOAM PRESSURE MONITORING AS A METHOD OF STUDYING DEMOLD CHARACTERISTICS OF APPLIANCE POLYURETHANE INSULATION FOAM SYSTEMS.

Author: Clarke, W. D.

Corporate Source: Dow Chemical Co, Freeport, TX, USA

Conference Title: Polyurethane, Marketing & Technology: Partners in Progress.

Conference Location: San Antonio, TX, USA Conference Date: 19841105

Sponsor: SPI, Polyurethane Div, New York, NY, USA

E.I. Conference No.: 06273

Source: Proceedings of the SPI Annual Technical/Marketing Conference 28th. Publ by SPI, New York, NY, USA p 194-197

Publication Year: 1984

CODEN: PSACEV ISBN: 0-87762-281-3

Language: English

Document Type: PA; (Conference Paper)

Journal Announcement: 8504

Abstract: The demold time of an appliance polyurethane foam insulating system is affected by a number of variables such as percent packing, mold temperature, the amount and type of catalyst, the amount and type of blowing agent and polyol itself. The variables that most effect the demold time are percent packing and the polyol. Percent packing is the foam, in excess of the amount just needed to fill the cabinet, that is required to produce a freeze stable insulation. Demold time increases as the level of packing increases. The type of polyol used has a greater effect on the demold time than all other variables. The data presented show that these variables may be studied more quickly and with greater precision than was possible with prior techniques.

Descriptors: \*PLASTICS, FOAMED--Molding; PRESSURE EFFECTS; PRESSURE MEASUREMENT; POLYURETHANES--Molding

Identifiers: HYDRAULIC PRESSURE MONITOR; DEMOLD PERFORMANCE; BRETT MOLD

Classification Codes:

816 (Plastics, Plant Equipment & Processes); 817 (Plastics, Products & Applications); 944 (Moisture, Pressure & Temperature, & Radiation Measuring Instruments)

81 (CHEMICAL PROCESS INDUSTRIES); 94 (INSTRUMENTS & MEASUREMENT)

9/5/23 (Item 8 from file: 8)  
DIALOG(R)File 8: Ei Compendex(R)  
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00873391 E.I. Monthly No: EI7910078659 E.I. Yearly No: EI79039520  
Title: CORRELATION OF SOME LITHOLOGIC AND PHYSICAL CHARACTERISTICS OF  
SEDIMENTS WITH HIGH FREQUENCY SUBBOTTOM REFLECTION TYPES.  
Author: Addy, S. K.; Behrens, E. W.; Haines, R. R.  
Corporate Source: Univ of Tex Mar Inst Lab  
Source: Offshore Technol Conf 11th, Proc, Houston, Tex, Apr 30-May 3  
1979. Publ by Offshore Technol Conf, 6200 N. Central Expressway, Dallas,  
Tex, 1979 v 3 p 1869-1877  
Publication Year: 1979  
CODEN: OSTCBA ISSN: 0160-3663  
Language: ENGLISH  
Journal Announcement: 7910  
Abstract: A certain degree of correlation is found between the  
lithologic, sedimentary and physical properties of the sediments and 3. 5  
kHz reflection types. Sediments showing a relatively greater depth of  
penetration of sound energy (up to SIMILAR 70 m) and numerous reflectors  
(Type I) are the terrigenous clays (lutites) deposited on the deeper  
slopes. Such sediments show the smallest mean grain size and bulk  
density, and greatest porosity. The average in situ compressional wave  
velocity in the top am of these sediments is 1435 m/s. A decrease in the  
number of reflectors and depth of penetration (Types IV and VI) is  
observed in the up-slope direction as the shelf break is approached and  
this corresponds to a progressive increase in grain size, calcium  
carbonate content, bulk density, (corresponding decrease in porosity) and  
average sound velocity. 10 refs.  
Descriptors: \*GEOPHYSICS--\*Subaqueous  
Classification Codes:  
481 (Geology & Geophysics)  
48 (ENGINEERING GEOLOGY)

9/5/24 (Item 9 from file: 8)  
DIALOG(R)File 8: Ei Compendex(R)  
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00750093 E.I. Monthly No: EI7810072914 E.I. Yearly No: EI78020688  
Title: SOFTWARE ORGANIZATION OF A MICROCOMPUTER-BASED DATA-ACQUISITION  
SYSTEM.  
Author: Gallacher, Joe; Wakefield, Peter  
Corporate Source: Praxis Instrum, Leiden, Neth  
Source: Microprocessors v 2 n 2 Apr 1978 p 59-64  
Publication Year: 1978  
CODEN: MCRPD9  
Language: ENGLISH  
Journal Announcement: 7810  
Abstract: Designing the hardware for a modular data-acquisition system is  
reasonably easy. The required inputs and outputs are analyzed, suitable  
modules are selected and then assembled together with power supplies and  
control panels in standard cabinets. Software design is another matter,  
however, as requirements can vary greatly from system to system and from  
time to time in the same system. Various factors affect the software  
requirements: the number of inputs and outputs, the types of input,  
signal conditioning and processing required, alarm facilities, scan



pattern, log, and alarm display and printout facilities, legends and texts, and operator command and message facilities. This paper describes how the required software is provided by means of variable size index-linked data arrays. The specification of a particular system and a description of the hardware are given insofar as they facilitate the description of the software organization. 1 ref.

Descriptors: \*DATA PROCESSING--\*Data Acquisition; COMPUTER PROGRAMMING; COMPUTERS, MICROPROCESSOR--Applications

Classification Codes:

723 (Computer Software); 722 (Computer Hardware)

72 (COMPUTERS & DATA PROCESSING)

9/5/25 (Item 1 from file: 35)

DIALOG(R)File 35:Dissertation Abs Online

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01925618 ORDER NO: AADAA-I3075653

Improving the strength and durability of panel-based cabinet furniture

Author: Denizli, Nurgul

Degree: Ph.D.

Year: 2001

Corporate Source/Institution: Purdue University (0183)

Major Professor: Carl A. Eckelman

Source: VOLUME 63/12-B OF DISSERTATION ABSTRACTS INTERNATIONAL.

PAGE 5604. 153 PAGES

Descriptors: AGRICULTURE, WOOD TECHNOLOGY

Descriptor Codes: 0746

ISBN: 0-493-95932-7

The primary objective of this study was to improve existing engineering designs of bookcases so that structurally sound and durable panel-based cabinets can be produced from wood composite materials at reasonable cost. Methods of improving the quality and robustness of composite based furniture were investigated.

A total of eighteen bookcases were constructed and tested: Three cases each were constructed to determine (a) the actual reduction of deflection of the front edge of a shelf as a function of reinforcement of the back edge, (b) to evaluate the contribution of intermediate support to prevent undue bowing of the sides, and (c) to investigate the effect of front frames on side deflection: The remaining six cases were used to investigate the effect of joint rigidity on shelf deflection at mid-span. Bookcases were subjected to a creep test under a uniformly distributed load for either six months or three months.

The study showed that the amount a shelf deflects depends upon material thickness and type, stiffness, method of reinforcing the shelves, and rigidity of the ends of the shelves. Creep deflection was found to correlate with the bending stiffness of the wood composite panels. In fastening the shelves to the sides of the case, the longer the screw length, the lower the shelf deflection values obtained. Highest creep deflection resulted in the greatest amount of irrecoverable deflection. Results of this study supported the design convention of doubling the elastic deflection to account for creep effects in the usage of panel products. The highest resistance to creep was exhibited by the MDF panels.

The results of the study showed that the performance of existing designs can be improved by attaching the shelves to the back of the case with screws, making the ends of the shelves rigid, increasing panel thickness or using a board with higher MOE values. When properly supported, 5/8-inch thick particleboard shelves perform well and provide a very economical way to produce a bookcase.

Outward side deflection of the bookcases can be significantly reduced

by attaching of a front frame to the open face of the bookcase or some type of support at mid-height.

9/5/26 (Item 2 from file: 35)  
DIALOG(R)File 35:Dissertation Abs Online  
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01376740 ORDER NO: AAD94-28599

**THE EFFECTS OF FIVE WRITING STRATEGIES ON FIFTH GRADERS' PRODUCTION OF WRITTEN IDEAS ACROSS THREE AIMS OF DISCOURSE**

Author: MALONE, EARLINE LAVOME

Degree: PH.D.

Year: 1994

Corporate Source/Institution: THE UNIVERSITY OF TEXAS AT AUSTIN (0227)

Supervisor: ELAINE D. FOWLER-COSTAS

Source: VOLUME 55/06-A OF DISSERTATION ABSTRACTS INTERNATIONAL.

PAGE 1471. 237 PAGES

Descriptors: EDUCATION, ELEMENTARY; EDUCATION, LANGUAGE AND LITERATURE

Descriptor Codes: 0524; 0279

This study investigated the effects of five strategies on fifth graders' idea production across three aims of discourse, and whether the effectiveness of the respective strategies was impacted by gender. The strategies were called blind drawing, free writing, clustering, think time, and visible drawing. All children in each of five fifth-grade classrooms participated in the study. All members of a given class used the same strategy. Visible Drawers drew before writing their compositions, and could see their drawn products, both as they drew and later, as they composed and inscribed their compositions. Blind Drawers drew, but used inkless pens and specially prepared paper so were unable to see what they were drawing or what they had drawn. Think Timers did no overt planning, but were asked to recall and think about what they knew and might write about their topic. In effect, Free Writers produced a draft by writing continuously and as rapidly as possible throughout the prewriting session, inscribing as many of their topic-related thoughts as possible. Clusterers selected a keyword (or a short phrase) to represent their topic; wrote it in the center of a blank sheet of paper, and framed it with an encircling line. Other words or phrases, representing related ideas or phenomena, then were written in the space around the keyword, encircled, and connected to related ideas with a line. Each child wrote three compositions: an expressive, an informative, and a persuasive composition. A modification of propositional analysis was used to score the 294 compositions written by the 98 children who were present for all six sessions.

Papers were scored for the number of written ideas children had expressed in them. The data were subjected to three tests of statistical significance. All three tests indicated that Blind Drawers, Free Writers, and Clusterers produced significantly more written propositions than were produced by Visible Drawers. Two of the tests indicated that Blind Drawers and Free Writers produced significantly more written ideas than were produced by Think Timers. The data also indicated that fifth-grade children can write for a variety of aims, although they tend to produce the greatest number of written ideas when writing for the informative aim and fewest number of written ideas when writing for the persuasive aim. No statistically significant differences were found between the means of males who used a given strategy and the means of females who used that same strategy. This study provided quantitative evidence that supports claims that the use of strategies before writing can lead to increases in the length of children's written text.

9/5/27 (Item 3 from file: 35)  
DIALOG(R)File 35:Dissertation Abs Online  
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01302666 ORDER NO: AADMM-75728  
**INVENTORY MODELS WITH INVENTORY-LEVEL-DEPENDENT DEMAND**  
Author: WANG, YUNZENG  
Degree: M.A.SC.  
Year: 1992  
Corporate Source/Institution: UNIVERSITY OF WATERLOO (CANADA) (1141)  
Source: VOLUME 31/03 of MASTERS ABSTRACTS.  
PAGE 1047. 100 PAGES  
Descriptors: BUSINESS ADMINISTRATION, MANAGEMENT; BUSINESS  
ADMINISTRATION, MARKETING  
Descriptor Codes: 0454; 0338  
ISBN: 0-315-75728-0

It is often recognized by marketing people and practitioners that, for a variety of items, the quantity displayed has a motivational effect on demand and sales. An increase in an item's supermarket shelf-space is known to induce more consumers to buy it and/or a specific consumer to buy more of it. With items the units of which are not exactly identical, a consumer may like the feeling of having a wide "selection". For the same reason, producers often want their products to be widely displayed in stores. In all these situations, we can see that the demand, or demand rate, tend to depend on the inventory level, and thus constitute endogenous variables. Unfortunately, this common fact has rarely been captured by the operations management literature; the inventory models currently available usually describe the demand, or demand rate, as exogenous variables, which are completely independent of the inventory level. This thesis presents a theoretical study of the effect of inventory-level-dependent demand on inventory control policies. Three types of models with inventory-level-dependent demand, or demand rate, functions are formulated; single period models, periodic review models and continuous review models. Some of these models also incorporate yield randomness. Important properties and solutions for the models discussed are derived, and further research opportunities are proposed.

9/5/28 (Item 4 from file: 35)  
DIALOG(R)File 35:Dissertation Abs Online  
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01226484 ORDER NO: AAD92-20351  
**THE EFFECT OF CONTEXT ON COMMUNICATIVE EFFICIENCY AND BEHAVIOR PROBLEMS**  
Author: PALUMBO, LAURA ODELL WRAY  
Degree: PH.D.  
Year: 1991  
Corporate Source/Institution: STATE UNIVERSITY OF NEW YORK AT STONY  
BROOK (0771)  
Adviser: EDWARD G. CARR  
Source: VOLUME 53/02-B OF DISSERTATION ABSTRACTS INTERNATIONAL.  
PAGE 1072. 158 PAGES  
Descriptors: PSYCHOLOGY, CLINICAL; SPEECH COMMUNICATION  
Descriptor Codes: 0622; 0459

A number of theories suggest that communicative forms must be well matched to the environment in which they are presented in order to be effective. When a child's request form is poorly matched to the environment, the child experiences long delays, receives numerous unwanted

items, and may display behavior problems. If the child's communicative development is delayed (as in the case of a developmental disability), the result may be the frequent occurrence of problem behaviors. These propositions were tested by examining the effect of two communicative contexts (toys on an open shelf, and toys in a closed cabinet) on (a) the communicative efficiency (measured by delay, adult errors, requests for clarification, and number of repetitions of the child's request) of two types of request (pointing and speech) and on (b) the occurrence of behavior problems. Three children using speech requests, three children using pointing requests, and thirty adult subjects participated. All children had a history of behavior problems. The results indicated that both speech and pointing were efficient responses in the open shelf condition (i.e., they resulted in high accuracy and minimal delays in producing adult mediated reinforcement). In contrast, speech but not pointing, produced accurate adult responses with minimal reinforcer delay in the closed cabinets condition. Relative to speech, pointing resulted in more requests for clarification, decreased accuracy and lengthy delay in the closed cabinets condition. Behavior problems occurred much more frequently in the closed cabinets condition with the children using pointing than with children using speech. These results support and have implications for behavioral theories of communicative development, the communication hypothesis of behavior problems, the reciprocal nature of influence processes between children and adults, and prevention and treatment of behavior problems.

9/5/29 (Item 5 from file: 35)  
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1030342 ORDER NO: NOT AVAILABLE FROM UNIVERSITY MICROFILMS INT'L.  
 CHARACTERIZATION OF THE COMPONENTS OF RATE-REDUCING RESISTANCE IN VICIA  
 FABA TO UROMYCES VICIAE-FABAE

Author: BHALLA, MUNJEET KOUR

Degree: PH.D.

Year: 1988

Corporate Source/Institution: THE UNIVERSITY OF MANITOBA (CANADA) (0303)

Source: VOLUME 49/09-B OF DISSERTATION ABSTRACTS INTERNATIONAL.

PAGE 3534.

Descriptors: AGRICULTURE, PLANT PATHOLOGY

Descriptor Codes: 0480

Mass-selected and bulk faba bean populations, at three developmental stages, were evaluated for the following components of rate-reducing resistance, to two races of *Uromyces viciae-fabae*, in both field and growth cabinet studies: fleck number (FKN), uredinia number (UDN), infection type (IT), range of infection types (ITR), latent period (LP and LP<sub>50</sub>), and LPSM, a standardized disease index combining latent period and uredinial density data. In addition, population performance in the field was compared using the following indicators: mean and final rust severity, individual weekly assessments of rust severity, apparent infection rate, and area under the disease progress curve (AUDPC). Significant differences (p-value = 0.01) among the populations were found for all resistance components and performance indicators. There was some variation in the expression of these characters among individual faba bean populations, but the division between the mass-selected and bulk populations was distinct. The mass-selected populations had fewer flecks and uredinia, a smaller infection type, a narrower range of infection types, and a longer latent period, in addition to reduced rust development in the field as determined by the performance indicators. The

developmental stage of the faba bean plants, at the time of inoculation, significantly affected all of the components in the growth cabinet experiments and most in the field studies, suggesting that selection for rate-reducing resistance necessitates the use of plants at the same developmental stage. When plants were inoculated with the rust races individually, a significant race effect was observed for all of the components examined in the growth cabinet experiments and for FKN, IT, ITR, and LPSM in the field. Differences were significant between the two test years for all of the components and performance indicators. Comparisons between components evaluated in the field and those evaluated in growth cabinets indicated that the components UDN and latent period, and the index LPSM corresponded best with population performance in the field. These components could effectively be used to screen faba beans in growth cabinets for rate-reducing resistance. On the other hand, the components FKN and IT did not correlate well with the field results.

9/5/30 (Item 6 from file: 35)  
DIALOG(R) File 35:Dissertation Abs Online  
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809899 ORDER NO: AAD83-10125  
COMPUTER-ASSISTED IDENTIFICATION OF MICROFLORA ON HOT-BONED AND  
CONVENTIONALLY PROCESSED BEEF  
Author: LEE, CHIA-YEN  
Degree: PH.D.  
Year: 1982  
Corporate Source/Institution: KANSAS STATE UNIVERSITY (0100)  
Source: VOLUME 43/12-B OF DISSERTATION ABSTRACTS INTERNATIONAL.  
PAGE 3908. 203 PAGES  
Descriptors: FOOD SCIENCE AND TECHNOLOGY  
Descriptor Codes: 0359

Hot-boned (HB) beef was chilled from ca. 32(DEGREES)C to 21(DEGREES)C within 6 hr, 9 hr or 11.3 hr after fabrication (2 hr postmortem), and continuously chilled to 2(DEGREES)C in three independent experiments. The corresponding conventionally processed (CP) beef that had been chilled to 21(DEGREES)C by 1/2 hr and continuously chilled to 2(DEGREES)C for 48 hr were used as controls. Mesophilic and psychrotrophic bacteria (2,312 isolates in total) were isolated from the viable cell counts of HB beef and corresponding CP beef at the time of fabrication, at the time when the HB beef were chilled to 21(DEGREES)C, and after 14-day vacuum storage at 2(DEGREES)C. The bacterial counts on HB beef were proportional to the time required to chill HB beef to 21(DEGREES)C, i.e., lower counts were obtained from faster chilling rate beef. Data of numerical taxonomy studies showed that the number of significantly different phena between HB and corresponding CP beef paralleled with the rate of the initial chilling to 21(DEGREES)C. Slower initial chilling rate resulted in more different microbial profiles between HB and corresponding CP beef that faster initial chilling rate. The initial flora indicated that beef used in fast initial chilling rate experiment were more likely contaminated from animal hide (non-enterics) while beef used in slow and intermediate chilling rate experiments were more likely contaminated from enteric tract (enterics). The microflora at the time of packaging subsequently affected the microflora after storage. The after-storage flora of HB beef in fast chilling rate study consisted mainly of lactic acid bacteria, while Pseudomonas were found in high proportion after storage in intermediate chilling rate study. Lactobacillus dominated the after-storage flora in slow chilling rate study. The slower initial chilling rate encouraged more growth of lactic acid bacteria and saccharolytic bacteria than fast initial

chilling rate. The initial chilling rate significantly affected the number and the kinds of organisms developed on meat surface. Proper chilling of HB beef (from ca. 32(DEGREES)C to 21(DEGREES)C within 9 hr after fabrication at 2 hr postmortem) will provide a microbiologically safe product. However, faster chilling rates likely provide an additional protection margin and will enhance product shelf life, yet will avoid problems associated with cold-induced toughening.

9/5/31 (Item 7 from file: 35)  
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691301 ORDER NO: AAD80-17794  
REVISION OF THE SUBFAMILY MALDANINAE (POLYCHAETA), WITH A REVIEW OF THE SPECIES REFERRED TO THE GENUS ASYCHIS KINBERG

Author: LIGHT, WILLIAM JOHN HAUGEN  
Degree: PH.D.  
Year: 1980  
Corporate Source/Institution: THE UNIVERSITY OF ARIZONA (0009)  
Source: VOLUME 41/02-B OF DISSERTATION ABSTRACTS INTERNATIONAL.  
PAGE 439. 217 PAGES  
Descriptors: BIOLOGY  
Descriptor Codes: 0306

The subfamily Maldaninae Arwidsson is revised and the species previously assigned to the genus *Asychis* {sensu lato} are reviewed. *Asychis* is restricted to forms lacking a collar on setiger 1 and bearing U-shaped nuchal organs, only 1 preanal asetiger and a well developed pygidium with cirri. *Sabaco* Kinberg is resurrected and includes *Maldanopsis* Verrill and *Branchioasychis* Monro. *Chirimia*, new name, is a replacement for *Chrysothemis* Kinberg, which must be rejected for reasons of homonymy, and Kinberg's concept of that genus is resurrected. *Metasychis*, new genus, is proposed to include several widespread forms which are intermediate between *Chirimia* and *Sabaco*. *Asychis* Gray {Porifera} is a junior homonym of *Asychis* Kinberg.

*Chirimia* includes: *C. amoena* (Kinberg), *C. biceps* (Sars), *C. similis* (Moore), *C. punctata* (Zachs) and *C. fauchaldi*, new species. *Maldane brasiliensis* Kinberg is synonymized with *C. amoena*, and *Maldane lacera* Moore and *Asychis lobata* Fauchald are synonymized as *Chirimia biceps lacera*.

*Asychis* {sensu stricto} includes: *A. atlanticus* Kinberg, *A. amphiglyptus* (Ehlers), *A. trifilosus* Augener, *A. auritus* Uschakov, *A. ramosus* Levenstein and *A. chilensis* (Hartmann-Schroder).

*Metasychis* includes: *M. disparidentatus* (Moore), *M. gotoi* (Izuka) and *M. fimbriatus* (Treadwell). *Maldane coronata* Moore, *Maldane collariceps* Augener and *Asychis shaccotanus* Uchida are all considered synonyms of *Metasychis gotoi*.

*Sabaco* includes: *S. maculatus* Kinberg, *S. elongatus* (Verrill), *S. carolinae* (Day), *S. atlantideus* (Kirkegaard), *S. dorsofilis* (Kirkegaard), *S. dakarensis* (Rullier), *S. javanicus* (Augener), *S. gangeticus* (Fauvel), *S. steineri*, new species, and *Asychis* sp. of Augener (1918).

Important generic-level characters include the configuration of the prostomial palpode and the nuchal organs, the types of notosetae, the presence or absence of the anal valve or of a collar on setiger 1, the number of preanal asetigers and the development of the pygidium. There are three types of notosetae: (1) anterior, simple capillaries, (2) spirally fringed notosetae, and (3) simple companion setae with long whiplike tips accompanying the spirally fringed forms. The spirally fringed notosetae are classified into 3 types: (1) Type A, the most primitive form, with spinose

spiral bands closely imbricated the main shaft, (2) Type B, found only in the genera Sabaco and Metasychis, with delicate spiral bands expanded away from the main shaft, and (3) Type C, found only in Chirimia punctata, with very delicate, cilia-like fimbriae arising from greatly elongated nodes on the main shaft. The companion setae are either short, the whiplike tips not reaching the bases of the distal fibrillae, or long, reaching almost to or well beyond the tips of the spirally fringed notosetae. The short condition is primitive and always found with notosetae of Type A and C; long companion setae are always associated with Type B notosetae.

A number of evolutionary and zoogeographic inferences are presented. The subfamily Lumbriclymeninae is considered to be the basal group from which the other four subfamilies radiated. One of these, the Rhodininae is believed to have given rise to the family Terebellidae via the genus Pista Malmgren. Of the Maldaninae, the genus Maldane appears to be the most primitive, and probably gave rise to Chirimia and Asychis {sensu stricto}. Metasychis is inferred to have arisen from basal Chirimia stock; Sabaco is believed to have radiated from Metasychis in the western Atlantic. The most widely distributed species of Maldaninae have a littoral-bathyal bathymetric range, in contrast to the pattern seen in most benthic invertebrate groups, in which abyssal forms are more cosmopolitan and littoral-bathyal species are more restricted. The subfamily consists largely of shelf-slope forms with isolated species in abyssal depths. Present distributional patterns indicate that all genera differentiated prior to early Miocene time.

9/5/32 (Item 1 from file: 99)

DIALOG(R)File 99:Wilson Appl. Sci & Tech Abs  
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1938191 H.W. WILSON RECORD NUMBER: BAST99060015

The effect of weak shear on finite-amplitude internal solitary waves

Clarke, S. R; Grimshaw, R. H. J

Journal of Fluid Mechanics v. 395 (Sept. 25 1999) p. 125-59

DOCUMENT TYPE: Feature Article ISSN: 0022-1120 LANGUAGE: English

RECORD STATUS: Corrected or revised record

ABSTRACT: A finite-amplitude long-wave equation is developed to quantify the effect of weak current shear on internal waves in a uniformly stratified fluid. The category of waves that occur is shown to depend on the number and position of inflection points of the representation of the shear profile in amplitude space. Two types of solution are applied to qualitatively relate existing observations of shock formation on the internal tide propagating onto the Australian North West Shelf to the observed background current shear.

DESCRIPTORS: Ocean waves--Mathematical models; Shear flow; Korteweg-de Vries equation;

9/5/33 (Item 1 from file: 583)

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06291336

Le projet de loi sur l'air fait appel \ la bonne volontz

FRANCE: GVT'S BILL ON AIR POLLUTION

Les Echos (LE) 04 Apr 1996 p.8

Language: FRENCH

French Minister of Environment Corinne Lepage submitted her bill on air protection to the Cabinet on 3 April 1996. Though it is intended to replace a previous bill dated 2 August 1961, the new bill is not very ambitious. The bill's first item states that anyone has the right to breathe an air that does not damage the health, but such burning issues as gasoil taxation (80% of the urban pollution is caused by cars) and, more generally, the problem of the growing penetration of cars, are not tackled. The financial aspect of the government's project, to help improve the existing pollution measurement system, is vague, though Corinne Lepage says that a five-year, FFr 1.4bn programme shall support it. The project is more a kind of a toolbox that contains a number of measures that local authorities might use or not, as they are not very restricting. To show his full support to the project, Prime Minister Alain Juppé came aboard a diester-powered 605 official car to attend the Cabinet meeting that day. Afterwards, he visited an Airparif air surveillance station in Paris, and announced the creation of a Day of the Air in the end of September of each year.

PRODUCT: Air Pollution Control (4954); Environment Department (9106EV);  
EVENT: Government Regulations (93);  
COUNTRY: France (4FRA);

9/5/34 (Item 2 from file: 583)  
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05895216  
Radioscopie du lineaire vin  
FRANCE: WINE RANGES EXPAND IN SUPERMARKETS  
Points de Vente (PDV) 8 Sep 1993 p.47  
Language: FRENCH

A survey by Intercor and Secodip shows that hypermarkets have expanded the number of wine varieties which they stock to around 182 on average in 1992, while supermarkets stock around 114 types. This is an improvement versus two years of cutbacks. The number of quality brands has increased to 130 in hypermarkets from 116 in 1991, accounting for 65% of the wine shelf-space. Foreign wines have only increased their presence in supermarkets. These wines are seeing a sales decline.

PRODUCT: Wines (2084WI); Retail Trade (5200);  
EVENT: Marketing Procedures (24); Market & Industry News (60);  
COUNTRY: France (4FRA);



Set	Items	Description
S1	3726569	NUMBER OR NUMERIC OR AMOUNT OR QUANTITY
S2	5702007	VARIET? OR TYPE? OR KIND? ? OR SORT OR SORTS OR CATEGOR?
S3	14995714	DISPLAY? OR SHOW? OR IDENTIF? OR INDICAT?
S4	73734	CABINET? OR SHELF OR SHELVES OR DRAWER? OR DISPENSAR?
S5	78675	S1(SN)S2
S6	38543	S5(S)S3
S7	53	S6(S)S4
S8	36	RD (unique items)
S9	25	S8 NOT PY>2001

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9/5/1 (Item 1 from file: 5)  
DIALOG(R)File 5:Biosis Previews(R)  
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0013108121 BIOSIS NO.: 200100279960  
Production process for dough-based products  
AUTHOR: Brummett Barry J (Reprint); Stoerck Thomas H  
AUTHOR ADDRESS: 10841 Skyline Dr., Santa Ana, CA, 92705, USA\*\*USA  
JOURNAL: Official Gazette of the United States Patent and Trademark Office  
Patents 1241 (2): Dec. 12, 2000 2000  
MEDIUM: e-file  
PATENT NUMBER: US 6159514 PATENT DATE GRANTED: December 12, 2000 20001212  
PATENT CLASSIFICATION: 426-392 PATENT COUNTRY: USA  
ISSN: 0098-1133  
DOCUMENT TYPE: Patent  
RECORD TYPE: Abstract  
LANGUAGE: English

ABSTRACT: A method and apparatus for preparing and displaying a donut having a "fresh-baked" quality in a retail environment principally uses standard equipment available in a typical convenience store or quick-service restaurant. The method utilizes pre-frozen donuts manufactured at a centralized manufacturing facility and involves thawing, storing and heating the frozen donuts at the point-of-service. The donuts are thawed under refrigeration but in a generally humidity-constant environment. This on-site procedure allows a retailer to quickly and conveniently produce a moist, fresh-tasting donut with minimum equipment and effort. Furthermore, the present production method allows the retailer to control the number and type of donuts produced for sale, thereby substantially eliminating waste and allowing the retailer to immediately tailor donut production to local consumer demand. An improved applicator eases the glazing process to permit relatively inexperienced personnel to properly glaze the donuts. The finished donuts are then displayed in a display cabinet which uses both hot and cold lights to regulate the temperature within the display cabinet, as well as to display the donuts under generally full spectrum white light. The illumination of the donuts under full-spectrum white light improves their display appearance.

## DESCRIPTORS:

MAJOR CONCEPTS: Equipment, Apparatus, Devices and Instrumentation; Foods; Methods and Techniques  
METHODS & EQUIPMENT: apparatus for preparing donuts--food processing equipment; production process for donuts--food processing method  
MISCELLANEOUS TERMS: donut--bakery product, dough-based product  
CONCEPT CODES:  
00532 General biology - Miscellaneous

9/5/2 (Item 2 from file: 5)  
DIALOG(R)File 5:Biosis Previews(R)  
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0013075933 BIOSIS NO.: 200100247772  
Interaction of soil burial and smoke on germination patterns in seeds of selected Australian native plants  
AUTHOR: Tieu A (Reprint); Dixon K W; Meney K A; Sivasithamparam K  
AUTHOR ADDRESS: Botanic Gardens and Parks Authority, Kings Park and Botanic Garden, West Perth, WA, 6005, Australia\*\*Australia  
JOURNAL: Seed Science Research 11 (1): p69-76 March, 2001 2001  
MEDIUM: print

ISSN: 0960-2585  
DOCUMENT TYPE: Article  
RECORD TYPE: Abstract  
LANGUAGE: English

**ABSTRACT:** Patterns of dormancy and smoke responsiveness in artificially buried seeds were investigated in eight native plant species from the species-rich mediterranean-type climate zone of south-western Australia. A comparison was made between germination and viability behaviour of shelf- and field-soil-stored seed, with and without smoke treatment, at least every 3 months. These comparisons corresponded with each of the four seasons. The species chosen germinated with the aid of smoke under field or glasshouse conditions (termed 'dormant';  $n = 4$ ) or produced low and variable germination under glasshouse conditions with smoke (termed 'deeply dormant';  $n = 4$ ). Three trends were observed in viability of soil-stored seeds over 450 d: no decline, gradual decline or late-onset decline. In addition, various germination responses to soil burial and aerosol smoke were observed. Burial was not required for optimal germination in *Anigozanthos manglesii*. However, for all other species tested, maximum germination was observed only following a period of burial. This was manifested in a germination response without smoke after a short period of burial (*Stylidium affine* and *Conospermum triplinervium*) or a longer period of burial (*Conostylis neocymosa*, *Hibbertia commutata*, *Leucopogon conostephioides*, *Stirlingia latifolia* and *Stylidium crossoccephalum*). Smoke treatment led to high germination in buried seed of *S. affine*, *S. crossoccephalum* and *H. commutata*. The patterns of germination detected in this limited number of species indicate that a variety of mechanisms may exist, both temporally and spatially, in south-western Australian species, and support further research of this type for horticulture and land restoration.

**DESCRIPTORS:**

**MAJOR CONCEPTS:** Development; Soil Science

**BIOSYSTEMATIC NAMES:** Amaryllidaceae--Monocotyledones, Angiospermae, Spermatophyta, Plantae; Dilleniaceae--Dicotyledones, Angiospermae, Spermatophyta, Plantae; Epacridaceae--Dicotyledones, Angiospermae, Spermatophyta, Plantae; Proteaceae--Dicotyledones, Angiospermae, Spermatophyta, Plantae; Stylidiaceae--Dicotyledones, Angiospermae, Spermatophyta, Plantae

**ORGANISMS:** *Anigozanthos manglesii* (Amaryllidaceae)--Australian native plant; *Conostylis neocymosa* (Amaryllidaceae)--Australian native plant; *Hibbertia communata* (Dilleniaceae)--Australian native plant; *Leucopogon conostephioides* (Epacridaceae)--Australian native plant; *Conospermum triplinervium* (Proteaceae)--Australian native plant; *Stirlingia latifolia* (Proteaceae)--Australian native plant; *Stylidium affine* (Stylidiaceae)--Australian native plant; *Stylidium crossoccephalum* (Stylidiaceae)--Australian native plant

**COMMON TAXONOMIC TERMS:** Monocots; Angiosperms; Dicots; Plants; Spermatophytes; Vascular Plants

**GEOGRAPHICAL NAME:** Australia (Australasian region)

**MISCELLANEOUS TERMS:** seed dormancy; seed germination patterns--smoke effects, soil burial effects

**CONCEPT CODES:**

25502 Development and Embryology - General and descriptive  
51510 Plant physiology - Growth, differentiation  
52801 Soil science - General and methods

**BIOSYSTEMATIC CODES:**

25220 Amaryllidaceae  
25965 Dilleniaceae  
26030 Epacridaceae  
26620 Proteaceae

26820 Styliidiaceae

9/5/3 (Item 3 from file: 5)  
DIALOG(R) File 5: Biosis Previews(R)  
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0012920143 BIOSIS NO.: 200100091982  
Selecting donors of platelets for refractory patients on the basis of HLA antibody specificity  
AUTHOR: Petz Lawrence D (Reprint); Garratty George; Calhoun Loni; Clark Bill D; Terasaki Paul I; Gresens Christopher; Gornbein Jeffrey A; Landaw Elliot M; Smith Randy; Cecka J Michael  
AUTHOR ADDRESS: Department of Pathology and Laboratory Medicine, UCLA Medical Center, A6-238 CHS, Los Angeles, CA, 90095-1713, USA\*\*USA  
JOURNAL: Transfusion (Bethesda) 40 (12): p1446-1456 December, 2000 2000  
MEDIUM: print  
ISSN: 0041-1132  
DOCUMENT TYPE: Article  
RECORD TYPE: Abstract  
LANGUAGE: English

ABSTRACT: BACKGROUND: Patients who are refractory to platelet transfusion as a result of HLA alloimmunization are generally given HLA-matched or crossmatched platelets. However, HLA-matched platelets that are matched at HLA-A and -B loci (A-matched) or those without any mismatched or cross-reactive antigens (BU-matched) are frequently unavailable. A disadvantage of crossmatching is that crossmatched platelets have a shelf life of only 5 days, so that crossmatch tests must be performed frequently for patients requiring long-term platelet transfusions. An alternative method is the selection of platelets according to the patient's HLA antibody specificity, called the antibody specificity prediction (ASP) method. STUDY DESIGN AND METHODS: An anti-human globulin-enhanced microlymphocytotoxicity test modified by a double addition of serum and a computer program were used to determine the specificity of patients' HLA antibodies. Platelet crossmatching was performed with a solid-phase adherence assay. The percentage of platelet recovery (PPR) was determined in 1621 platelet transfusions in an observational study in 114 patients, and the PPR of platelets selected by the ASP method was compared with the PPR of those that were HLA-matched, crossmatched, or randomly selected. The numbers of potential donors in files of HLA-typed donors as identified by HLA matching vs. the ASP method were determined. RESULTS: After adjustments for covariates, the mean  $\pm$  SEM PPR was similar for HLA-matched (21  $\pm$  4%), crossmatched (23  $\pm$  4%), and ASP-selected (24  $\pm$  3%) platelets and was significantly lower for randomly selected (15  $\pm$  1.4%) platelets. For 29 alloimmunized HLA-typed patients, the mean number of potential donors found in a file of 7247 HLA-typed donors was 6 who were an HLA-A match (median = 1), 33 who were an HLA-BU match (median = 20), and 1426 who were identified by the ASP method (median = 1365). CONCLUSION: The ASP method of donor selection for refractory alloimmunized patients appears as effective as HLA matching or crossmatching. Far more donors are identified in a file of HLA-typed donors by the ASP method than by HLA matching, and this indicates that the ASP method provides important advantages regarding the availability of compatible platelet components.

## DESCRIPTORS:

MAJOR CONCEPTS: Serology--Allied Medical Sciences; Methods and Techniques  
BIOSYSTEMATIC NAMES: Hominidae--Primates, Mammalia, Vertebrata, Chordata, Animalia  
ORGANISMS: human (Hominidae)

ORGANISMS: PARTS ETC: WBC {white blood cell}--blood and lymphatics,  
immune system; platelet--blood and lymphatics  
COMMON TAXONOMIC TERMS: Animals; Chordates; Humans; Mammals; Primates;  
Vertebrates  
CHEMICALS & BIOCHEMICALS: HLA--antibody specificity  
METHODS & EQUIPMENT: antibody specific prediction method--analytical  
method; disseminated intravascular coagulation--measurement method  
CONCEPT CODES:  
34502 Immunology - General and methods  
10064 Biochemistry studies - Proteins, peptides and amino acids  
15002 Blood - Blood and lymph studies  
15004 Blood - Blood cell studies  
36504 Medical and clinical microbiology - Serodiagnosis  
BIOSYSTEMATIC CODES:  
86215 Hominidae

9/5/4 (Item 4 from file: 5)  
DIALOG(R)File 5:Biosis Previews(R)  
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0011695813 BIOSIS NO.: 199800490060  
Mycoplasma presence in cell cultures in laboratories of Cordoba, Argentina  
AUTHOR: Cumino A C (Reprint); Cordoba P; Zapata T M  
AUTHOR ADDRESS: Inst. Virologia J.M. Vanella, Facultad Med., Univ. Nacional  
Cordoba, Agencia 4, Ciudad Univ., 5016 Cordoba, Argentina\*\*Argentina  
JOURNAL: Revista Argentina de Microbiologia 30 (3): p147-153 1998 1998  
MEDIUM: print  
ISSN: 0325-7541  
DOCUMENT TYPE: Article  
RECORD TYPE: Abstract  
LANGUAGE: Spanish

ABSTRACT: In this paper we determined the prevalence of mycoplasma contamination in 17 cell lines. Eighty per cent of the laboratories that currently use cell culture techniques participated in this study. Hoechst 33258 dye was used to detect mycoplasma contamination. The relationship between culture maintenance conditions and the presence of mycoplasma were analyzed, considering the use of antibiotics in the culture media, fetal calf serum (FCS) quality, culture media processing, use of dispensable labware, type of laminar flow cabinet, quantity of operators, and cell culture system. Thirty-five per cent of the analyzed cell lines showed mycoplasma contamination. Those lines belonged to 2 of the 8 surveyed laboratories. When confronting the working conditions versus mycoplasma contamination, 66% of the laboratories that employ non-certified FCS or reuse their labware, show mycoplasma contamination. Mycoplasma presence was found in 50% of the laboratories that use closed culture system, or more than one operator. Laboratories that process their culture media or that include antibiotic in the growing media, show a 40% contamination. The results obtained help to establish working conditions necessary to avoid introducing or spreading the microorganism.

DESCRIPTORS:

MAJOR CONCEPTS: Bacteriology; Methods and Techniques  
BIOSYSTEMATIC NAMES: Mycoplasmas--Eubacteria, Bacteria, Microorganisms  
ORGANISMS: mycoplasma (Mycoplasmas)--contaminant  
ORGANISMS: PARTS ETC: fetal calf serum--blood and lymphatics, potential contamination source  
COMMON TAXONOMIC TERMS: Bacteria; Eubacteria; Microorganisms  
CHEMICALS & BIOCHEMICALS: antibiotics--potential contamination source

METHODS & EQUIPMENT: cell culture system--cell culture method, potential contamination source; cell culture--cell culture method, contamination, maintenance conditions; labware--laboratory equipment, potential contamination source; laminar flow cabinet--laboratory equipment, potential contamination source  
GEOGRAPHICAL NAME: Cordoba (Argentina, South America) (Neotropical region)  
MISCELLANEOUS TERMS: culture media processing--potential contamination source; laboratory working conditions; mycoplasma contamination--prevalence; operator quantity--potential contamination source  
CONCEPT CODES:  
30000 Bacteriology, general and systematic  
BIOSYSTEMATIC CODES:  
07500 Mycoplasmas

9/5/5 (Item 5 from file: 5)  
DIALOG(R) File 5: Biosis Previews(R)  
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0011652767 BIOSIS NO.: 199800447014  
Evaluation of microbial spoilage of sandwiches in relation to their composition and storage conditions  
AUTHOR: Gardini Fausto (Reprint); Lanciotti Rosalba; Mazzetti Claudia; Errani Elsa  
AUTHOR ADDRESS: Dip. Protezione Valorizzazione Agroalimentare, Univ. degli Studi Bologna, Via San Giacomo 7, I-40126 Bologna, Italy\*\*Italy  
JOURNAL: Advances in Food Sciences 20 (5-6): p173-180 Sept., 1998 1998  
MEDIUM: print  
ISSN: 1431-7737  
DOCUMENT TYPE: Article  
RECORD TYPE: Abstract  
LANGUAGE: English

ABSTRACT: In this work sandwiches, stored at 4degreeC, filled with cooked ham, with or without Russian salad, packed in ordinary or modified atmosphere, were compared with the aim to evaluate the microbial quality of the products in relation to the types of filling and atmosphere. Moreover, the evolution of the microbial population during the refrigerated storage was determined in order to assess the groups or species involved in the spoilage of products. This work allowed the identification of some peculiarities of the sandwiches microbial spoilage. The microbial quality of the examined samples proved to be acceptable. However, the results obtained underline the importance of the raw material quality. In particular, they evidenced an essential contribution of the microbial population deriving from the cooked ham to the microbiological spoilage of the products. The influence of handling and process conditions on the number and types of microorganisms is evidenced by the presence of Staphylococcus aureus in finished products prepared from ingredients not contaminated by this microorganism. During storage the dynamics of microbial growth were affected by the filling and atmosphere compositions. In particular sandwiches having Russian salad as an ingredient were more stable, probably due to its low pH with respect to the products filled with cooked ham alone. The samples stored in modified atmosphere were more stable than those stored in ordinary atmosphere. In fact, the times necessary to reach 10<sup>7</sup> CFU/g for mesophilic bacteria, taken as a measure of shelf -life, were longer for the modified atmosphere packaged products. A dominant role of Lactococcus lactis subsp. lactis in the microbial spoilage community of sandwiches was evidenced.

## DESCRIPTORS:

MAJOR CONCEPTS: Foods; Microbiology

BIOSYSTEMATIC NAMES: Bacteria--Microorganisms; Micrococcaceae--

Gram-Positive Cocci, Eubacteria, Bacteria, Microorganisms;

Microorganisms--Microorganisms

ORGANISMS: bacteria (Bacteria); Staphylococcus-aureus (Micrococcaceae);

microorganism (Microorganisms)

COMMON TAXONOMIC TERMS: Bacteria; Eubacteria; Microorganisms

MISCELLANEOUS TERMS: food quality; food shelf life; ham sandwiches--

composition, food, storage conditions, microbial evaluation;

microbial food spoilage; microbial populations; modified atmospheres;

pH; Russian salad--vegetable

## CONCEPT CODES:

39002 Food microbiology - Food and beverage spoilage and contamination

10060 Biochemistry studies - General

10616 External effects - Temperature as a primary variable - cold

13502 Food technology - General and methods

13504 Food technology - Fruits, nuts and vegetables

31000 Physiology and biochemistry of bacteria

## BIOSYSTEMATIC CODES:

05000 Bacteria

07702 Micrococcaceae

01000 Microorganisms

9/5/6 (Item 6 from file: 5)

DIALOG(R)File 5: Biosis Previews(R)

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0010683456 BIOSIS NO.: 199799317516

Furanones in strawberries: Evolution during ripening and postharvest shelf life

AUTHOR: Perez Ana G; Olias Raquel; Sanz Carlos; Olias Jose M (Reprint)

AUTHOR ADDRESS: Departamento de Fisiologia y Tecnologia de Productos

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JOURNAL: Journal of Agricultural and Food Chemistry 44 (11): p3620-3624

1996 1996

ISSN: 0021-8561

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

ABSTRACT: Furanol, mesifurane, and furaneol glucoside contents during ripening of four strawberry varieties (Oso Grande, Chandler, Tudla, and I-101) have been analyzed. Patterns of furanone contents were similar for the four varieties, amounts increasing during ripening to reach the highest values at the overripe stage. However, furaneol and derivatives differed quantitatively among varieties. The amount of furaneol shown by Oso Grande at the overripe stage is the highest so far reported (37.05  $\mu\text{g/g}$  fw). The highest content in mesifurane and furaneol glucoside was found in the I-101 variety, at the overripe stage, 23.5 and 13.2  $\mu\text{g/g}$  fw, respectively. Results obtained in eight different varieties, at commercial maturity stage, also showed quantitative differences. Strawberries were stored at 1 degree C for 2 days to simulate refrigerated transport and then kept for 7 days at 17 degree C to simulate the shelf life period. At 17 degree C, the amount of mesifurane and furaneol glucoside increased more than 50% with concomitant loss of furaneol.

REGISTRY NUMBERS: 85554-61-6D: FURANONES; 85554-61-6: FURANONE; 3658-77-3: FURANEOL; 4077-47-8: MESIFURANE

## DESCRIPTORS:

MAJOR CONCEPTS: Biochemistry and Molecular Biophysics; Foods; Genetics; Horticulture--Agriculture; Metabolism

BIOSYSTEMATIC NAMES: Angiospermae--Spermatophyta, Plantae; Rosaceae--Dicotyledones, Angiospermae, Spermatophyta, Plantae

ORGANISMS: crop plant (Angiospermae); Rosaceae (Rosaceae)

COMMON TAXONOMIC TERMS: Angiosperms; Dicots; Plants; Spermatophytes; Vascular Plants

CHEMICALS & BIOCHEMICALS: FURANONES; FURANONE; FURANEOL; MESIFURANE

MISCELLANEOUS TERMS: food industry; BIOBUSINESS; CULTIVAR VARIATION; EVOLUTION; FLAVOR; FOODS; FRUITS; FURANEOL; FURANEOL GLUCOSIDE; FURANONE; HORTICULTURE; MESIFURANE; POSTHARVEST SHELF LIFE; RIPENING; STRAWBERRY-CULTIVAR-CHANDLER; STRAWBERRY-CULTIVAR-I-101; STRAWBERRY-CULTIVAR-OSO GRANDE; STRAWBERRY-CULTIVAR-TUDLA

## CONCEPT CODES:

03504 Genetics - Plant

10060 Biochemistry studies - General

13002 Metabolism - General metabolism and metabolic pathways

13504 Food technology - Fruits, nuts and vegetables

13530 Food technology - Evaluations of physical and chemical properties

13532 Food technology - Preparation, processing and storage

51519 Plant physiology - Metabolism

51522 Plant physiology - Chemical constituents

53006 Horticulture - Small fruits

## BIOSYSTEMATIC CODES:

25200 Angiospermae

26675 Rosaceae

9/5/7 (Item 7 from file: 5)

DIALOG(R) File 5: Biosis Previews(R)

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0010518856 BIOSIS NO.: 199699152916

Gut analysis of first-feeding anchovy larvae from the Patagonian spawning areas in relation to food availability

AUTHOR: Vinas Maria D; Ramirez Fernando C

AUTHOR ADDRESS: Inst. Nacional Investigacion Desarrollo Pesquero, CC175, 7600 Mar del Plata, Argentina\*\*Argentina

JOURNAL: Archive of Fishery and Marine Research 43 (3): p231-256 1996 1996

ISSN: 0944-1921

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

ABSTRACT: Gut contents of *Engraulis anchoita* first-feeding larvae from the three Patagonian spawning areas were analysed, and related to food availability and hydrological structure of the tidal front occurring in the region. Potential microzooplanktonic prey was homogeneously dis-Nauplii and eggs of copepods were the most abundant organisms, mostly ranging between 45 and 90  $\mu$ m in width. Day-night distribution of microzooplankton did not show evidence of diel migration. After dissection of larval guts, contents were stained with toluidine blue, and type size and number of food particles determined. A nyctemeral rhythm of feeding was clearly observed, with a maximum between 8 h and 20 h, decreasing sharply at night. Feeding incidence was lowest in the nearshore mixed waters increasing progressively in stratified shelf waters. The same trend was observed for the number of prey per larva. Nauplii of small copepods *Paracalanus parvus*, *Oithona* spp., *Acartia*



tonsa, *Microsetella norvegica* and *Euterpina acutifrons* constituted the bulk of ingested food of anchovy larvae followed by copepod eggs. Tintinnids were an important prey only in transitional waters. Dinoflagellates, lamellibranch larvae, pollen grains, spores of plants and diatoms were only occasionally found. 62% of prey analyzed had widths ranging from 45 to 90  $\mu$ -m. Results from larval gut analysis were related to microzooplankton distribution in different hydrographic conditions. Evidence of selectivity on nauplii were observed in all cases. On the basis of the prey distribution and larval feeding activity, it is suggested that transitional and stratified sectors of the Patagonian frontal systems could provide better feeding conditions for survival and growth of early anchovy larvae than homogeneously mixed waters.

## DESCRIPTORS:

MAJOR CONCEPTS: Development; Digestive System--Ingestion and Assimilation ; Ecology--Environmental Sciences; Marine Ecology--Ecology, Environmental Sciences; Nutrition; Physiology; Reproductive System--Reproduction

BIOSYSTEMATIC NAMES: Copepoda--Crustacea, Arthropoda, Invertebrata, Animalia

ORGANISMS: *Acartia tonsa* (Copepoda); *Euterpina acutifrons* (Copepoda); *Microsetella norvegica* (Copepoda); *Oithona* spp. (Copepoda); *Paracalanus parvus* (Copepoda)

COMMON TAXONOMIC TERMS: Animals; Arthropods; Crustaceans; Invertebrates

MISCELLANEOUS TERMS: EGG; FEEDING INCIDENCE; GROWTH; NAUPLII; SURVIVAL; TIDAL FRONT HYDROLOGY

## CONCEPT CODES:

07508 Ecology: environmental biology - Animal  
 07512 Ecology: environmental biology - Oceanography  
 13202 Nutrition - General studies, nutritional status and methods  
 14001 Digestive system - General and methods  
 16501 Reproductive system - General and methods  
 25508 Development and Embryology - Morphogenesis  
 64054 Invertebrata:comparative, experimental morphology, physiology and pathology - Arthropoda: crustacea

## BIOSYSTEMATIC CODES:

75110 Copepoda

9/5/8 (Item 8 from file: 5)

DIALOG(R)File 5:BIOSIS Previews(R)

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0010422200 BIOSIS NO.: 199699056260

**Jurassic bivalve palaeobiogeography: Relationship between the southern and the northern margin of the Tethys**

AUTHOR: Heinze Michael

AUTHOR ADDRESS: Inst. Paleontol., Univ. Wuerzburg, Pleicherwall 1, D-97070 Wuerzburg, Germany\*\*Germany

JOURNAL: Palaeontologische Zeitschrift 70 (1-2): p97-128 1996 1996

ISSN: 0031-0220

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: German

**ABSTRACT:** Similarities of mid-Jurassic bivalve faunas between the European and the Ethiopian faunal province are very high at the genus-level. At the species-level, however, it is shown that during the Bathonian and Callovian 35% of the bivalves occurring in the Ethiopian faunal province

are restricted to this province. In the region of Kachchh (W-India) in

the same time-interval 25% of all bivalves are endemic. In the Ethiopian faunal province a clear tendency of increasing endemism from the Bathonian to the Tithonian/Lower Cretaceous at the genus-level and, even more obviously, at the species-level exists. Endemism and provincialism are most marked within the orders Arcoida, Trigonioda, and Nuculoida. The degree of endemism is lower within the Veneroida, but still very high. The orders Mytiloida, Pterioda, and Pholadomyoida hold the largest portion of cosmopolitan species. The rise of endemism and provincialism in Kachchh and in the Ethiopian faunal province from the Bathonian onwards can be explained only partly by the increasing broadening of the Tethys and its effect as an oceanic barrier. The steep increase of endemism in the Upper Jurassic of Kachchh is essentially caused by a radiation within the astartids and trigoniids, accompanied by a reduction of facies-types, due to original regression. The very southerly palaeogeographic position of India, the opening of the 'South African Seaway', and a change in the marine current system in the uppermost Jurassic led to an increasing differentiation of the Ethiopian faunal province in an 'Ethiopian-Tethyan' subprovince to the north and an 'Ethiopian-Austral' subprovince to the south. A migration of bivalves in mid-Jurassic times can be reconstructed along the southern margin of the Tethys mainly from east to west. On the other hand, an eastward migration of bivalves along the northern margin of the Tethys from Europe to China and Japan can be documented especially in the Upper Jurassic. This corroborates the existence of a clock-wise marine current system in the northern hemisphere in the Jurassic. The distribution patterns of bivalves in Kachchh and the Ethiopian faunal province are essentially characterized by 'migration' of bivalves. The opening of the 'Hispanic Corridor' in the Pliensbachian gave way to the immigration of East Pacific bivalves via the western Tethys as far as Kachchh and Madagascar. The dispersal of Pisotrigonia, Seebachia, Tendagurium, and Megacucullaea in the uppermost Jurassic/lowermost Cretaceous from Kachchh and East-Africa respectively to South-Africa and South-America documents the establishment of a 'South-African Seaway' and favors migration. However, 'migration' and 'vicariance' do not exclude each other. On the contrary, both are important mechanisms for creating distributional patterns of bivalves, although within different geological dimensions. Vicariance events produce faunal provinces which last for a long time and within this time-interval, migration seems to be the more important mechanism affecting palaeobiogeographic distribution of bivalves. There is no evidence that the distribution patterns of bivalves in Kachchh and in the Ethiopian faunal province are governed by eustatic sea-level changes. The dominating factors have been a change of the palaeogeographic constellation as a consequence of the break-up of Gondwana, and the local facies distribution. The number of bivalve species known from Europe is much larger than the number of species of the Ethiopian faunal province. A comparison of rarefaction curves of associations, however, shows that this is not a primary feature, but is a consequence of a greater number of different facies types and is due to a far more intense collecting activity in Europe. The bivalves of the Spiti Shales are unequivocal Ethiopian-Tethyan in character. The composition of the fauna indicates the deposition on the deeper shelf of the southern margin of the Tethys. All occurring 'European' faunal elements are not significant because of their more or less cosmopolitan distribution.

#### DESCRIPTORS:

MAJOR CONCEPTS: Biogeography--Population Studies; Paleobiology; Systematics and Taxonomy

BIOSYSTEMATIC NAMES: Organisms--Organisms; Pelecypoda--Mollusca, Invertebrata, Animalia

ORGANISMS: Pisotrigonia (Organisms); Tendagurium (Organisms); bivalve (Pelecypoda); Megacucullaea (Pelecypoda); Seebachia (Pelecypoda)

COMMON TAXONOMIC TERMS: Organisms; Animals; Invertebrates; Mollusks  
GEOGRAPHICAL NAME: China (Asia) (Palearctic region); Europe (Palearctic region); India (Asia) (Oriental region); Japan (Asia) (Palearctic region); Palearctic region (Palearctic region)  
TIME: Archean; Jurassic  
MISCELLANEOUS TERMS: ENDEMISM; FOSSIL; GEOGRAPHIC DISTRIBUTION; ORIENTAL REGION; PALEOBIOLOGY; TETHYS SEA; UNCLASSIFIED; Fossil  
CONCEPT CODES:  
62800 Animal distribution  
63000 Paleozoology  
63526 Invertebrata: general and systematic - Mollusca  
64720 Geological periods - Jurassic  
BIOSYSTEMATIC CODES:  
00500 Organisms  
61500 Pelecypoda

9/5/9 (Item 9 from file: 5)  
DIALOG(R)File 5:Biosis Previews(R)  
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0010402773 BIOSIS NO.: 199699036833  
A taxonomic, biogeographical and ecological overview of invasive woody plants

AUTHOR: Binggeli Pierre  
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JOURNAL: Journal of Vegetation Science 7 (1): p121-124 1996 1996  
ISSN: 1100-9233  
DOCUMENT TYPE: Article  
RECORD TYPE: Abstract  
LANGUAGE: English

ABSTRACT: Invasive plants are considered to be a major threat to the earth's biodiversity, but have not been sufficiently investigated. To address this problem a relational database on invasive woody plants has been set up. It is based on 2045 bibliographical references and contains records on 653 species representing 110 families. The families with the largest number of invasive species are: Rosaceae, Mimosaceae, Papilionaceae and Pinaceae. Out of 1060 recorded invasive events an equal number are reported from continents and oceanic islands. The highest number of invasive woody species are recorded from Europe, followed by the Pacific islands, North America, New Zealand, Australia, Indian Ocean islands and southern Africa. Included in these regions are areas which have fewer highly invasive species, e.g. islands on continental shelves, such as the British Isles. Although most invasions occur in disturbed habitats, most natural communities are susceptible to woody plant invasions. Data on species attributes are only available for a minority of species but indicate that invasive woody plant species may be either insect or wind-pollinated, have a wide array of fruit types, fruit and seed sizes, number of seeds per fruit and dispersal agents. The relative frequency of several attributes varies with the degree of invasiveness. Thus it is not yet possible to determine which set of attributes favours invasiveness and therefore it is difficult to make predictions.

DESCRIPTORS:

MAJOR CONCEPTS: Biogeography--Population Studies; Ecology--Environmental Sciences; Morphology; Reproduction  
BIOSYSTEMATIC NAMES: Coniferopsida--Gymnospermae, Spermatophyta, Plantae; Leguminosae--Dicotyledones, Angiospermae, Spermatophyta, Plantae; Rosaceae--Dicotyledones, Angiospermae, Spermatophyta, Plantae

9/5/10 (Item 10 from file: 5)  
DIALOG(R)File 5: Biosis Previews(R)  
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**ABSTRACT:** Reduction of linoleic acid in the fatty acid profile of Virginia-type peanut (*Arachis hypogaea* L.) cultivars is desirable because it would improve the stability and shelf-life of in-shell and other peanut products. A low-linoleate/high-oleate trait controlled by two recessive genes, *ol-1* and *ol-2*, has been identified in Univ. of Florida breeding line F435. Most runner-type cultivars and breeding lines genotyped to date were found to differ from F435 by only one *ol* allele. Genotypes differing from F435 at two *ol* loci were Virginia types. The number of genes controlling inheritance of the trait has major implications with respect to the numbers of backcross and F-2 test progeny required in an efficient backcross breeding program. To determine the number of genes differentiating F435 from large-seeded Virginia-type cultivars, F435 was crossed as a nude with five common Virginia-type cultivars. F-4:5 progenies were assayed for fatty acid content by gas chromatography. Progenies were classified as having high or low oleate levels and chi square analysis was applied to the data. Segregation ratios of populations derived from crosses with 'NC 7', 'NC 9', 'NC 10C', and 'VA-C 92R' were consistent with a monogenic model and inconsistent with the digenic model. These cultivars have genotype *Ol-1Ol-1Ol-2Ol-2Ol-1Ol-1Ol-2Ol-2*. Progeny of 'NC-V 11'/F435 followed a ratio consistent with the digenic model and inconsistent with the monogenic model, indicating that NC-V 11 has genotype *Ol-1Ol-1Ol-2Ol-2Ol-2Ol-2Ol-2*. Oleate levels were elevated by 220 to 280 g kg<sup>-1</sup>, linoleate levels decreased by 190 to 270 g kg<sup>-1</sup>, and palmitate levels decreased by 30 to 40 g kg<sup>-1</sup> in high-oleate subpopulations. Other fatty acids exhibited changes that were statistically significant but probably too small in magnitude to significantly alter processing quality or stability of oil.

REGISTRY NUMBERS: 60-33-3: LINOLEIC ACID

## DESCRIPTORS:

MAJOR CONCEPTS: Agronomy--Agriculture; Biochemistry and Molecular Biophysics; Genetics; Metabolism

BIOSYSTEMATIC NAMES: Leguminosae--Dicotyledones, Angiospermae, Spermatophyta, Plantae

ORGANISMS: Arachis hypogaea (Leguminosae)

COMMON TAXONOMIC TERMS: Angiosperms; Dicots; Plants; Spermatophytes; Vascular Plants

CHEMICALS &amp; BIOCHEMICALS: LINOLEIC ACID

MISCELLANEOUS TERMS: crop industry; GENETICS; LINOLEIC ACID REDUCTION; PLANT BREEDING

## CONCEPT CODES:

03504 Genetics - Plant

10066 Biochemistry studies - Lipids

13006 Metabolism - Lipids

51519 Plant physiology - Metabolism

51522 Plant physiology - Chemical constituents

52514 Agronomy - Oil crops

## BIOSYSTEMATIC CODES:

26260 Leguminosae

9/5/11 (Item 11 from file: 5)

DIALOG(R)File 5:Biosis Previews(R)

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0009631508 BIOSIS NO.: 199598099341

Analysis of chromosomal aberrations, sister-chromatid exchanges and micronuclei in peripheral lymphocytes of pharmacists before and after working with cytostatic drugs

AUTHOR: Roth Stina (Reprint); Norppa Hannu; Jarventaus Hilikka; Kyyronen Pentti; Ahonen Mirja; Lehtomaki Jaana; Sainio Hannele; Sorsa Marja

AUTHOR ADDRESS: Dep. Industrial Hygiene Toxicology, Finnish Inst. Occupational Health, Topeliuksenkatu 41aA, FIN-00250 Helsinki, Finland\*\* Finland

JOURNAL: Mutation Research 325 (4): p157-162 1994 1994

ISSN: 0027-5107

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

ABSTRACT: The frequencies of chromosome aberrations, SCEs and micronuclei (cytokinesis-block method) in blood lymphocytes were compared among six nonsmoking female pharmacists before and after 1 year of working with cytostatic drugs. All possible precautions were taken to avoid exposure to cytostatics, including proper protective clothing and a monitored, negative-pressured working environment with vertical laminar flow cabinet. As referents, an age-matched group of six nonsmoking female hospital workers not dealing with cytostatics was simultaneously sampled twice with the same time interval. The pharmacists showed a marginally higher mean frequency of SCEs/cell (6.3;  $P = 0.049$ ) after the working period than 1 year earlier (5.8). On the other hand, the referents, with no obvious exposure, had a higher mean number of cells with chromatid-type aberrations, gaps excluded, in the second sampling (2.0%;  $P = 0.048$ ) than in the first one (0.5%). In addition, a slight ( $P = 0.055$ ) trend towards a higher frequency of micronucleated binucleate cells was observed in the second sampling for both the exposed and control subjects. As such findings suggest technical variation in the cytogenetic parameters, the small difference observed in SCEs for the pharmacists between the two samplings was probably not related to the cytostatics

exposure. No statistically significant differences were observed for any of the cytogenetic parameters in comparisons between the pharmacists and the referents. The findings suggest that caution should be exercised in comparing results obtained from two different samplings in prospective cytogenetic studies.

**DESCRIPTORS:**

**MAJOR CONCEPTS:** Biochemistry and Molecular Biophysics; Blood and Lymphatics--Transport and Circulation; Cell Biology; Genetics; Occupational Health--Allied Medical Sciences; Pharmacology; Toxicology  
**BIOSYSTEMATIC NAMES:** Hominidae--Primates, Mammalia, Vertebrata, Chordata, Animalia  
**ORGANISMS:** Hominidae (Hominidae)  
**COMMON TAXONOMIC TERMS:** Animals; Chordates; Humans; Mammals; Primates; Vertebrates  
**MISCELLANEOUS TERMS:** MICRONUCLEATED BINUCLEATE CELL; OCCUPATIONAL HAZARD

**CONCEPT CODES:**

02508 Cytology - Human  
03508 Genetics - Human  
10060 Biochemistry studies - General  
10506 Biophysics - Molecular properties and macromolecules  
15004 Blood - Blood cell studies  
15008 Blood - Lymphatic tissue and reticuloendothelial system  
22002 Pharmacology - General  
22504 Toxicology - Pharmacology  
37013 Public health - Occupational health

**BIOSYSTEMATIC CODES:**

86215 Hominidae

9/5/12 (Item 12 from file: 5)  
DIALOG(R) File 5: Biosis Previews(R)  
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0007128910 BIOSIS NO.: 199089046801

**HABITAT SELECTION BY DEMERSAL NEKTON ANALYSIS OF VIDEOTAPE DATA**

**AUTHOR:** FELLEJ J D (Reprint); VECCHIONE M; GASTON G R; FELLEJ S M  
**AUTHOR ADDRESS:** OFFICE INFORMATION RESOURCE MANAGEMENT, ROOM 2310 A AND I BUILD, SMITHSONIAN INST, 900 JEFFERSON DRIVE SW, WASHINGTON, DC 20560, USA\*\*USA

**JOURNAL:** Northeast Gulf Science 10 (2): p69-84 1989

**ISSN:** 0148-9836

**DOCUMENT TYPE:** Article

**RECORD TYPE:** Abstract

**LANGUAGE:** ENGLISH

**ABSTRACT:** In the past, analysis of habitat choice by marine nekton has been hampered by limited access to its environment. We suggest a method to facilitate study of habitat choice, using data gathered from videotapes. The aims of this study were (a) to identify members of a particular nekton assemblage, and (b) to identify environmental variables important to the assemblage as a whole. Data on species and environmental variables came from videotapes of a sandy-bottom shelf area (60 m depth) in the Gulf of Mexico off Pensacola, Florida (USA), taken by a remote-controlled submersible travelling along defined transects. We analyzed these videotapes to derive information on habitat use of several species of fishes and large invertebrates. We divided the transects into sections which were homogeneous for bottom type and algal coverage, and in each section measured habitat variables and abundances of the most common and reliably identifiable species of demersal nekton. Factor analysis of

species' means for environmental variables identified patterns of habitat use among these species. The analysis identified these patterns by generating axes that represented environmental gradients. The patterns of habitat use by these species related to their preferences for different amounts of three-dimensional structure, algae, and infaunal and epifaunal organisms. We compared species distributions and habitat distributions on these axes to find which environmental gradients were of most importance in habitat selection by these species. We found that more species selected habitats on the basis of particular amounts of structure, fewer selected on the basis of algal coverage infaunal organisms. Only one species seemed to select habitats on the basis of types or abundances of epifaunal organisms. Thus, amount of three-dimensional structure seemed an important variable to the sandy-bottom assemblage overall, followed by amount of algal coverage and types of infaunal organisms.

DESCRIPTORS: FISH INVERTEBRATE ALGAE PREFERENCE BEHAVIOR SPECIES ABUNDANCE ASSEMBLAGE COMPOSITION SANDY BOTTOM SHELF SUBMERSIBLE FACTOR ANALYSIS GULF OF MEXICO FLORIDA USA

DESCRIPTORS:

MAJOR CONCEPTS: Behavior; Ecology--Environmental Sciences; Marine Ecology --Ecology, Environmental Sciences; Methods and Techniques; Physiology

BIOSYSTEMATIC NAMES: Invertebrata--Animalia; Pisces--Vertebrata, Chordata, Animalia

COMMON TAXONOMIC TERMS: Invertebrates; Animals; Chordates; Fish; Nonhuman Vertebrates; Vertebrates

CONCEPT CODES:

01008 Methods - Field methods

01012 Methods - Photography

04500 Mathematical biology and statistical methods

07003 Behavioral biology - Animal behavior

07506 Ecology: environmental biology - Plant

07508 Ecology: environmental biology - Animal

07512 Ecology: environmental biology - Oceanography

64001 Invertebrata: comparative, experimental morphology, physiology and pathology - General

BIOSYSTEMATIC CODES:

34000 Invertebrata

85200 Pisces

9/5/13 (Item 13 from file: 5)

DIALOG(R)File 5:BIOSIS Previews(R)

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0005744730 BIOSIS NO.: 198784098879

THE OCCURRENCE OF PELECYPODS IN EARLY PALEOZOIC EPEIRIC-SEA ENVIRONMENTS  
LATE ORDOVICIAN OF THE CINCINNATI OHIO AREA USA

AUTHOR: FREY R C (Reprint)

AUTHOR ADDRESS: DEP GEOL GEOGRAPHY, CENTENARY COLL, SHREVEPORT, LA  
71134-1188, USA\*\*USA

JOURNAL: Palaios 2 (1): p3-23 1987

ISSN: 0883-1351

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: ENGLISH

ABSTRACT: Within the Upper Ordovician section exposed in the Cincinnati. Ohio region, pelecypods are important elements in a number of facies representing a variety of epeiric-sea environments. The fine-clastic, offshore- shelf facies of Edenian through early Richmondian age in the area support pelecypod assemblages dominated by endobryssate and

semi-infaunal filter-feeding taxa. Locally within these strata, infaunal deposit-feeding pelecypods are abundant. Shallow-water Maysvillian skeletal-carbonate facies are dominated by articulate brachiopods and trepostomes, with pelecypods being minor elements of these faunas. Overlying Richmondian skeletal carbonates document the movement of increasing numbers of byssate filter-feeding pelecypods into these trepostome-thicket environments. The Richmondian biotas include a diverse assemblage of both endobyssate and epibyssate pelecypod taxa. These pelecypod assemblages represent largely endemic taxa restricted to the eastern portions of Laurentia, marginal to the Taconic landmass and the Queenston deltaic complex. Reconstructions of the life habits of these pelecypods demonstrate the dominance of the endobyssate mode of life in Ordovician pelecypod faunas. The presence of large numbers of filter-feeding pelecypods in both mud and skeletal facies in the Lake Ordovician section exposed in the Cincinnati area suggests that these mollusks had become established in offshore as well as inshore shelf environments at this time. These first intrusions by filter-feeding pelecypods into offshore cratonic- shelf environments were truncated by the Late Ordovician extinction event, which had a devastating effect on the important endobyssate ambonychiid and modiomorphid pelecypod taxa. These pelecypod faunas in the Cincinnati area suggest that filter-feeding pelecypods were far more abundant and widespread in Ordovician epeiric-sea environments than previously published literature has indicated .

DESCRIPTORS: BRACHIOPOD ABUNDANCE DIVERSITY PALEOECOLOGY FACIES ANALYSIS;  
Fossil

DESCRIPTORS:

MAJOR CONCEPTS: Ecology--Environmental Sciences; Marine Ecology--Ecology,  
Environmental Sciences; Paleobiology; Physiology; Soil Science;  
Systematics and Taxonomy

BIOSYSTEMATIC NAMES: Brachiopoda--Invertebrata, Animalia; Pelecypoda--  
Mollusca, Invertebrata, Animalia

COMMON TAXONOMIC TERMS: Animals; Invertebrates; Mollusks

CONCEPT CODES:

07508 Ecology: environmental biology - Animal

07512 Ecology: environmental biology - Oceanography

52803 Soil science - Genesis, morphology, classification, geology

63000 Paleozoology

63524 Invertebrata: general and systematic - Brachiopoda

63526 Invertebrata: general and systematic - Mollusca

64024 Invertebrata: comparative, experimental morphology, physiology and  
pathology - Brachiopoda

64026 Invertebrata: comparative, experimental morphology, physiology and  
pathology - Mollusca

64705 Geological periods - Paleozoic

64708 Geological periods - Ordovician

BIOSYSTEMATIC CODES:

59000 Brachiopoda

61500 Pelecypoda

9/5/14 (Item 14 from file: 5)  
DIALOG(R) File 5:Biosis Previews(R)  
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0005058976 BIOSIS NO.: 198681022867

INFLUENCE OF CONDITIONING ON THE OCCURRENCE OF CHILLING INJURY AND THE  
CHANGES OF SURFACE STRUCTURE OF EGGPLANT FRUITS

AUTHOR: ABE K (Reprint); CHACHIN K

AUTHOR ADDRESS: OSAKA PREFECTURE AGRIC RESEARCH CENTER, HABIKINO, OSAKA 583



**\*\*JAPAN**

JOURNAL: Journal of the Japanese Society for Horticultural Science 54 (2):  
p247-256 1985  
ISSN: 0013-7626  
DOCUMENT TYPE: Article  
RECORD TYPE: Abstract  
LANGUAGE: JAPANESE

**ABSTRACT:** In this paper, the influence of pre-storage conditioning (at 10.degree. C or 20.degree. C for 5 days, 10 days or 15 days, respectively) on the occurrence of chilling injury and the change of surface structures in eggplant fruits stored at 1.degree. C was examined. The surface structures were examined by scanning electron microscopy. Pre-storage conditioning extended the shelf life of eggplant fruits stored at 1.degree. C by retarding chilling injury. The occurrence of pitting, the first symptom of chilling injury, was delayed by 2-3 days. In fruits stored at 1.degree. C after conditioning, two types of pitting were observed; in one the pits were larger in size (100 .mu.m-1500 .mu.m) and fewer in number (referred to as type I pitting), while in the other the pits were smaller in size (100 .mu.m-300 .mu.m) and larger in number (referred to type II pitting). In fruits stored directly after harvest, only type I pitting was observed. When stored after conditioning, type II pitting occurred more frequently in fruits packaged in perforated polyethylene bags than in those packaged in sealed ones, while the occurrence of type I pitting was the reverse. Pasteurization, by dipping in ethanol after conditioning, reduced the occurrence of type II pitting. Circular protuberances were observed on the surface of fruit stored at 20.degree. C. A fungus (*Alternaria* sp) was frequently observed on and near the protuberances, through which it frequently penetrated into the eggplant fruits. Sectioning of fruit showed first in type I pitting there was no destruction of epidermal cells that the destruction of parenchyma cells was the main cause of the pitting. In type II pitting, penetration of fungus was observed, indicating that destruction of epidermal as well as parenchyma cell seemed to be the cause of the pitting.

REGISTRY NUMBERS: 64-17-5: ETHANOL

DESCRIPTORS: ALTERNARIA-SP EPIDERMAL CELL PARENCHYMA CELL DESTRUCTION  
ETHANOL PITTING PASTEURIZATION PARENCHYMA SCANNING ELECTRON MICROSCOPY  
DESCRIPTORS:

MAJOR CONCEPTS: Foods; Morphology; Pharmacology; Physiology

BIOSYSTEMATIC NAMES: Fungi Imperfecti or Deuteromycetes--Fungi, Plantae;  
Solanaceae--Dicotyledones, Angiospermae, Spermatophyta, Plantae

COMMON TAXONOMIC TERMS: Fungi; Microorganisms; Nonvascular Plants;  
Angiosperms; Dicots; Plants; Spermatophytes; Vascular Plants

CHEMICALS & BIOCHEMICALS: ETHANOL

**CONCEPT CODES:**

01058 Microscopy - Electron microscopy

02504 Cytology - Plant

10616 External effects - Temperature as a primary variable - cold

13504 Food technology - Fruits, nuts and vegetables

13530 Food technology - Evaluations of physical and chemical properties

13532 Food technology - Preparation, processing and storage

39500 Disinfection, disinfectants and sterilization

51000 Morphology, anatomy and embryology of plants

51503 Plant physiology - Temperature

**BIOSYSTEMATIC CODES:**

15500 Fungi Imperfecti or Deuteromycetes

26775 Solanaceae

9/5/15 (Item 15 from file: 5)  
DIALOG(R)File 5:Biosis Previews(R)  
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0003885484 BIOSIS NO.: 198375069427  
ROOT DEVELOPMENT IN SEEDLINGS OF RYE GRASS *LOLIUM-PERENNE* AND *PHALARIS*  
*PHALARIS-AQUATICA* SOWN ONTO THE SOIL SURFACE  
AUTHOR: CORNISH P S (Reprint)  
AUTHOR ADDRESS: NEW SOUTH WALES DEP AGRICULTURAL RESEARCH INSTITUTE, PMB,  
WAGGA WAGGA, NSW 2650\*\*AUSTRALIA  
JOURNAL: Australian Journal of Agricultural Research 33 (4): p665-678 1982  
ISSN: 0004-9409  
DOCUMENT TYPE: Article  
RECORD TYPE: Abstract  
LANGUAGE: ENGLISH

ABSTRACT: The effects of surface-sowing on root type, number and xylem radius were studied in relation to the seedling growth and survival of ryegrass and phalaris. Under optimal conditions in a growth cabinet, both species produced primary and lateral seminal roots, nodal roots and, in the absence of light, a subcoleoptile internode (s.c.i.). Phalaris had fewer lateral seminal roots and, in this species, internodal roots occurred along the s.c.i. Surface placement per se had no effect on any of the measured parameters of root development, but surface drying prevented nodal root primordia from extending, even when plants were otherwise supplied with water. This effect of surface drying on nodal root development was confirmed in a glasshouse study using undisturbed soil cores (30 by 60 cm) to simulate field conditions. Phalaris was less likely than ryegrass to produce nodal roots after surface sowing. The effective xylem radius (re) of the primary seminal root was 7.9  $\mu\text{m}$  in ryegrass and 11.6  $\mu\text{m}$  in phalaris. Calculations using the Poiseuille equation indicated that the axial resistance to water flow through these roots would greatly restrict seedling water uptake and growth in the absence of other roots. Lateral seminal roots and internodal roots had small vessels which could not significantly reduce the axial resistance to flow. Good seedling water relations in both species depend on early development of the nodal roots which contain large xylem vessels. (re > 16  $\mu\text{m}$ ). Apparently the effect of soil-surface drying on nodal root development was likely to account for some cases of poor vigor and survival of surface-sown grasses.

DESCRIPTORS: WATER RELATIONS

DESCRIPTORS:

MAJOR CONCEPTS: Agronomy--Agriculture; Development; Physiology; Soil Science

BIOSYSTEMATIC NAMES: Gramineae--Monocotyledones, Angiospermae, Spermatophyta, Plantae

COMMON TAXONOMIC TERMS: Angiosperms; Monocots; Plants; Spermatophytes; Vascular Plants

CONCEPT CODES:

10011 Biochemistry - Physiological water studies  
51000 Morphology, anatomy and embryology of plants  
51502 Plant physiology - Water relations  
51510 Plant physiology - Growth, differentiation  
52506 Agronomy - Forage crops and fodder  
52807 Soil science - Fertility and applied studies

BIOSYSTEMATIC CODES:

25305 Gramineae

9/5/16 (Item 1 from file: 34)

DIALOG(R)File 34:SciSearch(R) Cited Ref Sci  
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09597665 Genuine Article#: 424LR Number of References: 7  
Title: Enhancing the profitability of a vertically integrated wood products  
production system. Part 2. A case study  
Author(s): Carino HF (REPRINT) ; Willis DB  
Corporate Source: Auburn Univ,Sch Forestry,Auburn//AL/36849 (REPRINT);  
Auburn Univ,Sch Forestry,Auburn//AL/36849; Auburn Univ,Alabama Agr Expt  
Stn,Auburn//AL/36849  
Journal: FOREST PRODUCTS JOURNAL, 2001, V51, N4 (APR), P45-53  
ISSN: 0015-7473 Publication date: 20010400  
Publisher: FOREST PRODUCTS SOC, 2801 MARSHALL COURT, MADISON, WI 53705-2295  
USA

Language: English Document Type: ARTICLE

Geographic Location: USA

Journal Subject Category: FORESTRY; MATERIALS SCIENCE, PAPER & WOOD

Abstract: This paper presents the results of a case study to demonstrate the efficacy of linear programming in solving a complex set of production-inventory problems frequently faced by integrated wood products manufacturing operations. The specific operation in this case was a vertically integrated hardwood lumber- cabinet manufacturing operation in the South. The objective of the analysis was to determine the optimal sawlog and lumber production-inventory program for the study mill over a specified planning horizon. The production-inventory problem in this case was to determine the best combination, in terms of types and quantity, of log input and lumber output and the minimum inventory level for each that maximizes monthly profit. Results indicate that mill profit could be maximized by adopting a log procurement policy that ensures the delivery of about 1,224 cunits of logs for producing about 500,000 board feet of lumber per month, on average, while maintaining at least a 2-week log inventory. Such a policy could result in profit improvement of up to 156 percent over that resulting from the minimum 1-month log inventory policy at the time of the study. Parametric analysis also showed that mill profitability is very sensitive to changes in kiln-dried lumber prices, sawmill conversion efficiency, and lumber drying degrade; moderately sensitive to changes in log supply and prices, processing costs, and inventory costs; and insensitive to changes in the supply of short logs.

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9/5/17 (Item 2 from file: 34)

DIALOG(R)File 34:SciSearch(R) Cited Ref Sci  
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07919037 Genuine Article#: 222RD Number of References: 13  
Title: Study on the stability of edible oils marketed in Uruguay  
Author(s): Pagano T (REPRINT) ; Grompone MA  
Corporate Source: FAC QUIM MONTEVIDEO,AVDA GRAL FLORES  
2124/MONTEVIDEO//URUGUAY/ (REPRINT)  
Journal: INGENIERIA QUIMICA, 1999, N15 (JUL), P11-20  
ISSN: 0210-2064 Publication date: 19990700

Publisher: ASOCIACION INGENIEROS, PEDRO BERRO 1070, MONTEVIDEO 11300,  
URUGUAY

Language: Spanish Document Type: ARTICLE

Geographic Location: URUGUAY

Subfile: CC ENGI--Current Contents, Engineering, Computing & Technology

Journal Subject Category: ENGINEERING, CHEMICAL

**Abstract:** The oils and fats industry needs assays to predict quantitatively the susceptibility to autooxidation. The most widely used nowadays is called Oil Stability Index or OSI, accepted as an official method by the AOCS (Method Cd 12b-92). The recommended temperature is 110 degrees C. The Omnion OSI 8 allows the simultaneous study of accelerated rancidity at different temperatures in tip to eight samples. The main purpose of this work is the comparative study of the oxidative stability of different edible vegetal oils sold in the Uruguayan market. olive (virgin), sunflower seed (virgin and refined), soybean, corn, rice bran and grapeseed oils tall refined), and some mixtures. In order to central conditions and repeatability of the method, a sample of an oil (mixture of sunflower 95% and corn 5% was used as reference. The kind and quantity of possible added antioxidants in the samples is not known, so this is a 'blind assay' that draws no conclusion about causes of the relative stability of the oils. The results show that the induction times are very different for different samples and that they worsen considerably with storage. This must be taken into account when predicting the shelf life of a fatty material, also when the need for certain antioxidants is considered.

**Identifiers--KeyWord Plus(R):** OXIDATIVE STABILITY; TEMPERATURE; RANCIMAT; FATS

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9/5/18 (Item 3 from file: 34)

DIALOG(R)File 34:SciSearch(R) Cited Ref Sci

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05426963 Genuine Article#: VY119 Number of References: 21

**Title:** MICROBIOLOGY OF MINIMALLY PROCESSED, MODIFIED-ATMOSPHERE PACKAGED CHICORY ENDIVE

**Author(s):** BENNIK MHJ; PEPPELENBOS HW; NGUYENTHE C; CARLIN F; SMID BJ; GORRIS LGM

**Corporate Source:** AGROTECHNOL RES INST, POB 17/NL-6700 AA  
WAGENINGEN//NETHERLANDS//; AGROTECHNOL RES INST/NL-6700 AA  
WAGENINGEN//NETHERLANDS//; INRA, STN TECHNOL PROD VEGETAUX/F-84914  
AVIGNON 9//FRANCE/

**Journal:** POSTHARVEST BIOLOGY AND TECHNOLOGY, 1996, V9, N2 (NOV), P209-221

**ISSN:** 0925-5214

**Language:** ENGLISH Document Type: ARTICLE

**Geographic Location:** NETHERLANDS; FRANCE

**Subfile:** SciSearch; CC AGRI--Current Contents, Agriculture, Biology &

## Environmental Sciences

Journal Subject Category: AGRICULTURE; HORTICULTURE; FOOD SCIENCE & TECHNOLOGY

**Abstract:** Modified-atmosphere packaging (MAP) and subsequent storage at refrigeration temperature has been developed over the last decade as an adequate technique to prolong high quality shelf -life of minimally processed vegetables. The MAP system employed should be carefully tailored to the physiological and microbiological characteristics of the product in order to achieve good quality, safe products. In the current investigation, controlled atmosphere conditions were employed that mimicked the packaging of fresh cut chicory endive under modified atmospheres in order to establish the microbiological characteristics. It was found that the modified-atmosphere conditions that were favourable for product quality, retarded growth of spoilage micro-organisms during storage at low temperature. Growth of the psychrotrophic pathogen *Listeria monocytogenes*, inoculated on the product, was not inhibited. The extent to which the pathogen grew depended on its initial number, type of chicory endive and size of the population of competitive spoilage microflora. Reducing the initial microbial load by disinfection could minimize microbial spoilage and improve the safety status of the product. However, *L. monocytogenes* grew better on disinfected produce than on non-disinfected or water-rinsed produce, indicating the practical importance of avoiding recontamination after disinfection.

**Descriptors--Author Keywords:** CHICORY ENDIVE ; MODIFIED-ATMOSPHERE PACKAGING ; SPOILAGE MICROORGANISM ; LOW TEMPERATURE STORAGE ; *LISTERIA MONOCYTOGENES*

**Identifiers--KeyWords Plus:** *LISTERIA-MONOCYTOGENES*; VEGETABLES; SALADS; FATE; GROWTH

**Research Fronts:** 94-0742 001 (*LISTERIA-MONOCYTOGENES* IN COLD-PROCESS (SMOKED) SALMON; GROWTH OF *YERSINIA-ENTEROCOLITICA*; BLUE-CRAB (*CALLINECTES-SAPIDUS*) MEAT)

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9/5/19 (Item 4 from file: 34)

DIALOG(R)File 34:SciSearch(R) Cited Ref Sci

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05068602 Genuine Article#: TN466 Number of References: 31

JMB

Date: 25-May-05

**Title:** CRETACEOUS-PALEOCENE CARBONATE MICROFACIES OF TAMIL-NADU AND PONDICHERRY

**Author(s):** GUHA AK; MUKHOPADHYAY TJ

**Corporate Source:** INDIAN INST TECHNOL, DEPT GEOL & GEOPHYS/KHARAGPUR 721302/W BENGAL/INDIA/

**Journal:** JOURNAL OF THE GEOLOGICAL SOCIETY OF INDIA, 1996, V47, N1 (JAN), P 115-127

**ISSN:** 0016-7622

**Language:** ENGLISH **Document Type:** ARTICLE

**Geographic Location:** INDIA

**Subfile:** SciSearch; CC PHYS--Current Contents, Physical, Chemical & Earth Sciences

**Journal Subject Category:** GEOSCIENCES, INTERDISCIPLINARY

**Abstract:** Nine types of Standard Microfacies (SMF) are identified in the Cretaceous-Paleocene carbonate sequences of the Ariyalur-Vridhachalam of Tamil Nadu and the Pondicherry areas. Of these four SMFs occur frequently.

The recurrence of SMF types within FZ 7 in successive formations of varying thickness indicates multiple transgressive - regressive episodes of unequal areal extent and time interval. A gradual decrease in the number of microfacies types in carbonate lithologies younger than the Turonian suggests progressive stabilization of the shelf. Presence of similar SMF in younger carbonate layers belonging to different areas and ages point to their being time-transgressive lithologic units.

The carbonates are of low-Mg calcite variety. Significant depletion of Sr and Na and enrichment of Ba, K and Mn took place due to prolonged diagenetic alteration by meteoric water.

**Descriptors--Author Keywords:** CARBONATE ROCKS ; CRETACEOUS ; PALEOCENE ; ARIYALUR ; VRIDHACHALAM ; PONDICHERRY

**Identifiers--KeyWords Plus:** PETROGRAPHY; SEDIMENTS; SODIUM

**Research Fronts:** 94-5510 002 (MODERN CARBONATE RAMP; DEPOSITIONAL HISTORY; DOLOMITE FORMATION; DEEP-WATER MARGIN)

94-5041 001 (APERIODIC ACCUMULATION OF CYCLIC PERITIDAL CARBONATE; PERMIAN BASIN; UPPER TRIASSIC DOLOMIA PRINCIPALE (NORTHERN ITALY))

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9/5/20 (Item 5 from file: 34)  
DIALOG(R) File 34:SciSearch(R) Cited Ref Sci  
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03243867 Genuine Article#: NQ291 Number of References: 34  
Title: A GEOCHEMICAL INVESTIGATION OF SAMPLES FROM THE VOLGIAN BAZHENOV  
FORMATION, WESTERN SIBERIA, RUSSIA  
Author(s): TELNAES N; ISAKSEN GH; DOUGLAS AG  
Corporate Source: NORSK HYDRO AS, DEPT PETR GEOCHEM, SANDSLIVEIEN 90/N-5020  
BERGEN//NORWAY//; UNIV NEWCASTLE UPON TYNE, NRG/NEWCASTLE TYNE  
NE17RU/TYNE & WEAR/ENGLAND//; EXXON PROD RES CO/HOUSTON//TX/77001  
Journal: ORGANIC GEOCHEMISTRY, 1994, V21, N5 (MAY), P545-558  
ISSN: 0146-6380  
Language: ENGLISH Document Type: ARTICLE  
Geographic Location: NORWAY; ENGLAND; USA  
Subfile: SciSearch; CC PHYS--Current Contents, Physical, Chemical & Earth  
Sciences

Journal Subject Category: GEOSCIENCES

Abstract: In this paper we present analyses of five core samples from the  
Volgian Bazhenov Formation. Three different organic facies (A, B, and  
C) are proposed based on microscopical, bulk and biomarker analyses.  
Facies A and B have much in common, including low hopane/sterane  
ratios, C35/C34 hopane ratios slightly above 1.0, small amounts of  
tricyclic terpanes, and a range of alkylthiophenes in their  
pyrolysates. However, Facies A and B show some differences. For  
example, Facies A shows a slight even/odd (C22-C27) n-alkane  
predominance in some of the samples, while Facies B lacks  
28,30-bisnorhopane, and shows significantly different  
n-alkane/isoprenoid ratios. These findings contrast with those of  
Facies C, which shows very low organic sulfur, an odd/even  
predominance in the higher n-alkanes, a high C29/C27 sterane ratio, a  
very high hopane/sterane ratio, and is very low in tricyclic terpanes.  
The timing of hydrocarbon generation from Facies A, together with the  
type and amount of organic matter, appears to be similar to that of  
the Upper Jurassic of the Norwegian continental shelf. It appears  
that Facies A and B have similar types of organic matter, with a  
somewhat higher input of terrestrial debris in the latter and,  
contrastingly, in Facies C an even greater proportion of terrestrial  
organic matter.

Descriptors--Author Keywords: BAZHENOV FM ; RUSSIA ; SOURCE ROCK ;  
DEPOSITIONAL ENVIRONMENT ; BIOMARKERS ; MATURITY ; KINETICS

Identifiers--KeyWords Plus: SOURCE ROCKS

Research Fronts: 92-0568 001 (HYDROCARBON GENERATION; SEDIMENTARY  
ORGANIC-MATTER; POLYCYCLIC AROMATIC SULFUR HETEROCYCLES; THERMAL  
MATURATION; MATURITY MODELING; PETROLEUM SOURCE ROCKS)

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9/5/21 (Item 6 from file: 34)

DIALOG(R)File 34:SciSearch(R) Cited Ref Sci

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01753706 Genuine Article#: HY309 Number of References: 37  
 Title: SPATIAL PATTERNS OF ZOOPLANKTON COMMUNITY COMPOSITION AND SATELLITE  
 MEASURED SURFACE-TEMPERATURE

Author(s): THOMAS AC

Corporate Source: ATLANTIC CTR REMOTE SENSING OCEANS, SUITE 301, 6155 NORTH  
 ST/HALIFAX B3K 5R3/NS/CANADA/; UNIV BRITISH COLUMBIA, DEPT  
 OCEANOGRAPHY/VANCOUVER V6T 1W5/BC/CANADA/

Journal: CONTINENTAL SHELF RESEARCH, 1992, V12, N5-6 (MAY-JUN), P753-777

Language: ENGLISH Document Type: ARTICLE

Geographic Location: CANADA

Subfile: SciSearch; CC AGRI--Current Contents, Agriculture, Biology &  
 Environmental Sciences

Journal Subject Category: OCEANOGRAPHY

Abstract: Data from the continental shelf off southern British Columbia,  
 Canada, are used to test the hypothesis that patterns of surface  
 temperature evident in infrared satellite images reflect spatial  
 patterns of zooplankton community composition. During both a winter and  
 a summer sampling period, multivariate analysis of a relatively small  
 number of taxonomic categories shows that stations close in  
 multidimensional taxonomic space are also close in geographic space.  
 Stations grouped into near-shore, mid-shelf, and outer-shelf  
 clusters which could be contoured in geographic space. These contours  
 are similar to surface thermal gradients separating hydrographic  
 regimes visible in both in situ hydrographic data and satellite images  
 over the middle and inner shelf, supporting previous work which



suggests a strong physical control over zooplankton community distribution in this region. Station groups over the outer shelf are not closely related to surface thermal patterns, but suggest an association with bathymetry. The distribution of species included in the taxonomic enumeration and previously published accounts of their biogeography are consistent with the association of specific communities with specific hydrographic regimes on the shelf.

Identifiers--KeyWords Plus: SOUTHERN VANCOUVER ISLAND; BRITISH-COLUMBIA FJORD; GULF-STREAM; CONTINENTAL-SHELF; PHYSICAL STRUCTURE; NORTH PACIFIC; VARIABILITY; BIOMASS; POPULATIONS; ASSEMBLAGES

Research Fronts: 90-3235 001 (INTERANNUAL VARIABILITY IN PHYTOPLANKTON PIGMENT DISTRIBUTION; SARGASSO SEA; NORTHERN CALIFORNIA; OCEAN WATER; LIGHT ATTENUATION; CZCS IMAGERY)

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9/5/22 (Item 1 from file: 73)

DIALOG(R)File 73:EMBASE

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10575907 EMBASE No: 2000040563

Medicine information help lines: A survey of hospital pharmacy-based services in the UK and their conformity with guidelines

Raynor D.K.; Sharp J.A.; Rattenbury H.; Towler R.J.  
Dr. D.K. Raynor, Div. of Academic Pharmacy Practice, University of Leeds,  
10 Clarendon Rd., Leeds LS2 9NN United Kingdom  
AUTHOR EMAIL: D.K.Raynor@leeds.ac.uk  
Annals of Pharmacotherapy ( ANN. PHARMACOTHER. ) (United States) 2000,  
34/1 (106-111)  
CODEN: APHRE ISSN: 1060-0280  
DOCUMENT TYPE: Journal; Article  
LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH; FRENCH; SPANISH  
NUMBER OF REFERENCES: 30

**OBJECTIVE:** To describe the prevalence and nature of hospital pharmacy-based medicine help lines for consumers in the UK and to compare service provision with published guidelines. **BACKGROUND:** Since 1992, telephone help lines for patients have proliferated in hospital pharmacies in the UK. There is no common template for such services with variations in target group, number and type of calls, and arrangements for training and audit. Data on these factors will help guide further development of such services. **METHODS:** All medicine help lines operating from hospital pharmacies in the UK were identified through the national Drug Information Pharmacists network. They were sent a piloted questionnaire covering many aspects of help line operation, including funding, method of advertisement, procedures, target group, number and nature of calls, and audit procedures. **RESULTS:** Eighty-two help lines were identified in England, Scotland, Wales, and Northern Ireland. Completed responses were received from 69 help lines (84% response rate). The pharmacy drug information center was the help line site in 57% of hospitals; all other help lines were located in the dispensary. In 55% of cases, help lines were open only to patients of the hospital. In the remainder of help lines, calls from the public were answered (although the majority of help lines only advertised to hospital patients). Calls were answered by pharmacists only in 45% of services, and additional staff training had been provided in 43%. Only 48% of services had written procedures or guidelines for operation of the help line. Forty-six percent of the services received fewer than five calls per week, 31% received between five and 10 calls per week, and 22% received 11 or more calls per week. In 59% of the sites, calls took an average of 10 minutes or less to answer; it took 11-15 minutes in 32% of the sites and >15 minutes in 9% of the sites. The most common queries related to adverse effects, dosage and administration, and interactions (including alcohol). Only 33% of help lines had any auditing or monitoring of the service in place. **CONCLUSIONS:** The increasing use of the telephone to provide services directly to consumers is reflected in the growth of hospital-based medicine help lines in the UK. The telephone route is likely to become more important as patients' needs for information about their medicines increase. However, the rate of calls is low when compared with the number of patients issued prescriptions further research is needed to investigate the reasons for this low response. There is currently reason for concern because most help lines lack not only professional training in telephone counseling, but also proper documentation, monitoring, and audit procedures.

**MEDICAL DESCRIPTORS:**

\*medical information; \*drug information

United Kingdom; hospital pharmacy; practice guideline; patient education; telephone; article; priority journal

**SECTION HEADINGS:**

017 Public Health, Social Medical and Epidemiology

036 Health Policy, Economics and Management

039 Pharmacy

9/5/23 (Item 2 from file: 73)  
DIALOG(R) File 73:EMBASE  
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03028596 EMBASE No: 1985022562

Optimization of experimental designs for two cases in elevated temperature stability studies

Haynes J.; Simpson J.; Krueger J.; Callahan J.  
Lederle Laboratories, Department 947, Pearl River, NY 10965 United States  
Drug Development and Industrial Pharmacy ( DRUG DEV. IND. PHARM. ) ( United States) 1984, 10/8-9 (1505-1526)  
CODEN: DDIPD  
DOCUMENT TYPE: Journal  
LANGUAGE: ENGLISH

In two simple, first-order cases for a shelf storage temperature of 23 degrees C., the design of an elevated temperature stability study to determine the shelf life of a drug product has been optimized to minimize the coefficient of variation of the estimated shelf life by the use of three rules (the HL, TL, and HIL Rules) for choosing the optimum low temperature and apportioning the assays in an Arrhenius type study. The total number of assays needed to estimate the shelf -life with a coefficient of variation of 10% was indicated for a few situations. The adaptation of these design principles to more complex, realistic studies is discussed briefly.

MEDICAL DESCRIPTORS:

\*drug stability; \*temperature  
food storage; priority journal; methodology; theoretical study; nonhuman

SECTION HEADINGS:

030 Clinical and Experimental Pharmacology

9/5/24 (Item 1 from file: 155)  
DIALOG(R) File 155:MEDLINE(R)  
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13732743 PMID: 11389298

Risk factors for improper vaccine storage and handling in private provider offices.

Bell K N; Hogue C J; Manning C; Kendal A P  
Women's and Children's Center, Rollins School of Public Health, Emory University, Atlanta, Georgia, USA. kbell@sph.emory.edu  
Pediatrics (United States) Jun 2001, 107 (6) pB100, ISSN 1098-4275  
Journal Code: 0376422

Publishing Model Print

Document type: Clinical Trial; Journal Article; Randomized Controlled Trial

Languages: ENGLISH

Main Citation Owner: NLM

Record type: MEDLINE; Completed

Subfile: AIM; INDEX MEDICUS

CONTEXT: Preventing loss of vaccine potency during storage and handling is increasingly important as new, more expensive vaccines are introduced, in at least 1 case requiring a different approach to storage. Little information is available about the extent to which staff in private physicians' offices meet quality assurance needs for vaccines or have the necessary equipment. Although the National Immunization Program at the Centers for Disease Control and Prevention (CDC) in 1997 developed a draft

manual to promote reliable vaccine storage and to supplement published information already available from the CDC and the American Academy of Pediatrics, the best ways to improve vaccine storage and handling have not been defined. OBJECTIVES: To estimate the statewide prevalence of offices with suboptimal storage and handling, to identify the risk factors for suboptimal situations in the offices of private physicians, and to evaluate whether the distribution of a new National Immunization Program draft manual improved storage and handling practices. DESIGN: Population-based survey, including site visits to a stratified, random sample of consenting private physicians' offices. At least 2 months before the site visits, nearly half (intervention group) of the offices were randomly selected to receive a draft CDC manual entitled, "Guideline for Vaccine Storage and Handling." The remainder was considered the control group. Trained graduate students conducted site visits, all being blinded to whether offices were in the intervention or control groups. Each site visit included measurements of refrigerator and freezer temperatures with digital thermometers (Digi-thermo, Model 15-077-8B, Control Company, Friendswood, TX; specified accuracy  $\pm 1$  degrees C). Their metal-tipped probes were left in the center shelf of cold storage compartments for at least 20 minutes to allow them to stabilize. The type of refrigerator/freezer unit, temperature-monitoring equipment, and records were noted, as were the locations of vaccines in refrigerator and freezer, and the presence of expired vaccines. Other information collected included the following: staff training, use of written guidelines, receipt of vaccine deliveries, management of problems, number of patients, type of office, type of medical specialty, and the professional educational level of the individual designated as vaccine coordinator. PARTICIPANTS: Two hundred twenty-one private physicians' offices known by the Georgia Immunization Program in 1997 to immunize children routinely with government-provided vaccines. OUTCOME MEASURES: Estimates (prevalence, 95% confidence interval [CI]) of immunization sites found to have a suboptimally stored vaccine at a single point in time, defined as: vaccine past expiration date, at a temperature of  $\leq 1$  degrees C or  $\geq 9$  degrees C in a refrigerator or  $\geq -14$  degrees C (recommended for varicella vaccine) in freezer, and odds ratios (ORs) for risk factors associated with outcomes. We performed chi(2) analysis and Student's t tests to compare the administrative characteristics and quality assurance practices of offices with optimal vaccine storage with those with suboptimal storage, and to compare the proportion of offices with suboptimal storage practices in the groups that did and did not receive the CDC manual. RESULTS: Statewide estimates of offices with at least 1 type of suboptimal vaccine storage included: freezer temperatures measuring  $\geq -14$  degrees C = 17% (95% CI: 10.98, 23.06); offices with refrigerator temperatures  $\geq 9$  degrees C = 4.5% (95% CI: 1.08, 7.86); offices with expired vaccines = 9% (95% CI: 4.51, 13.37); and offices with at least 1 documented storage problem, 44% (95% CI: 35.79, 51.23). Major risk factors associated with vaccine storage outside recommended temperature ranges were: lack of thermometer in freezer (OR: 7.15; 95% CI: 3.46, 14.60); use of freezer compartment in small cold storage units (OR: 5.46; 95% CI = 2.70, 10.99); lack of thermometer in refrigerator (OR: 3.07; 95% CI: 1.15, 8.20); and failure to maintain temperature log of freezer (OR: 2.70; 95% CI: 1.40, 5.23). Offices that adhered to daily temperature monitoring for all vaccine cold storage compartments, compared with those that did not, were 2 to 3 times more likely to assign this task to staff with higher levels of training, have received a recent visit from the state immunization program, and be affiliated with a hospital or have Federally Qualified Health Center status. In addition, sites using  $\geq 1$  refrigerator/freezer for vaccine storage were more likely to have at least 1 cold storage compartment outside recommended temperature ranges. We found no significant differences in the data reported above between the intervention group (received copy of the draft manual) and the control group (did not receive copy of draft manual), even when controlling for the

annual number of immunizations given or the type of office.

## CONCLUSIONS: (ABST

Tags: Research Support, U.S. Gov't, P.H.S.

Descriptors: \*Drug Storage--standards--ST; \*Physicians' Offices  
--standards--ST; \*Private Practice--standards--ST; \*Vaccines--pharmacology  
--PD; Child; Drug Stability; Drug Storage--methods--MT; Drug Storage  
--statistics and numerical data--SN; Humans; Pharmacology, Clinical  
--standards--ST; Physicians' Offices--statistics and numerical data--SN;  
Private Practice--statistics and numerical data--SN; Quality Assurance,  
Health Care; Quality Control; Refrigeration--standards--ST; Risk Factors;  
Vaccination--standards--ST; Vaccines--pharmacokinetics--PK

CAS Registry No.: 0 (Vaccines)

Record Date Created: 20010604

Record Date Completed: 20010830

9/5/25 (Item 2 from file: 155)

DIALOG(R) File 155: MEDLINE(R)

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12482569 PMID: 9793145

[Presence of Mycoplasma in laboratory cell cultures from Cordoba, Argentina]

Presencia de micoplasmas en cultivos celulares en laboratorios de la ciudad de Cordoba, Argentina.

Cumino A C; Cordoba P; Zapata T M

Instituto de Virologia J.M. Vanella, Facultad de Medicina, Universidad Nacional de Cordoba, Argentina.

Revista Argentina de microbiologia (ARGENTINA) Jul-Sep 1998, 30 (3)  
p147-53, ISSN 0325-7541 Journal Code: 8002834

Publishing Model Print

Document type: Journal Article ; English Abstract

Languages: SPANISH

Main Citation Owner: NLM

Record type: MEDLINE; Completed

Subfile: INDEX MEDICUS

In this paper we determined the prevalence of mycoplasma contamination in 17 cell lines. Eighty per cent of the laboratories that currently use cell culture techniques participated in this study. Hoechst 33258 dye was used to detect mycoplasma contamination. The relationship between culture maintenance conditions and the presence of mycoplasma were analyzed, considering the use of antibiotics in the culture media, fetal calf serum (FCS) quality, culture media processing, use of disposable labware, type of laminar flow cabinet, quantity of operators, and cell culture system. Thirty-five per cent of the analyzed cell lines showed mycoplasma contamination. Those lines belonged to 2 of the 8 surveyed laboratories. When confronting the working conditions versus mycoplasma contamination, 66% of the laboratories that employ non-certified FCS or reuse their labware, show mycoplasma contamination. Mycoplasma presence was found in 50% of the laboratories that use closed culture system, or more than one operator. Laboratories that process their culture media or that include antibiotic in the growing media, show a 40% contamination. The results obtained help to establish working conditions necessary to avoid introducing or spreading the microorganism.

Descriptors: \*Cell Culture Techniques--standards--ST; \*Laboratories  
--standards--ST; \*Mycoplasma--isolation and purification--IP; Argentina;  
Cell Culture Techniques--methods--MT; Culture Media

CAS Registry No.: 0 (Culture Media)

Record Date Created: 19981119

Record Date Completed: 19981119

Set	Items	Description
S1	7029411	NUMBER OR NUMERIC OR AMOUNT OR QUANTITY
S2	24730941	VARIET? OR TYPE? OR KIND? ? OR SORT OR SORTS OR CATEGOR?
S3	8945513	DISPLAY? OR SHOW? OR IDENTIF? OR INDICAT?
S4	755298	CABINET? OR SHELF OR SHELVES OR DRAWER? OR DISPENSAR?
S5	151587	S1(5N)S2
S6	11163	S5(15N)S3
S7	91	S6(S)S4
S8	68	RD (unique items)
S9	61	S8 NOT PY>2001
S10	8468	S5(10N)S3
S11	58	S10(S)S4
S12	44	RD (unique items)
S13	40	S12 NOT PY>2001

? show files

File 15:ABI/Inform(R) 1971-2005/May 24  
(c) 2005 ProQuest Info&Learning

File 16:Gale Group PROMT(R) 1990-2005/May 24  
(c) 2005 The Gale Group

File 47:Gale Group Magazine DB(TM) 1959-2005/May 25  
(c) 2005 The Gale group

File 148:Gale Group Trade & Industry DB 1976-2005/May 25  
(c)2005 The Gale Group

File 621:Gale Group New Prod.Annou.(R) 1985-2005/May 25  
(c) 2005 The Gale Group

File 624:McGraw-Hill Publications 1985-2005/May 24  
(c) 2005 McGraw-Hill Co. Inc

File 636:Gale Group Newsletter DB(TM) 1987-2005/May 25  
(c) 2005 The Gale Group

13/3,K/2 (Item 2 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
(c) 2005 ProQuest Info&Learning. All rts. reserv.

02242550 85647085  
Russell keeps workers tuned with ERM  
Leung, Linda  
Network World v18n43 PP: 29 Oct 22, 2001  
ISSN: 0887-7661 JRNL CODE: NWW  
WORD COUNT: 1132

...TEXT: each facility, Russell installed up to three kiosks - desktop PCs stored in a custom-built cabinet .To access the system, a worker enters the badge number of his smart card-based picture ID and types in his personal identification number .

In June, the system's viewer module came online. It presents read-only data such...

13/3,K/3 (Item 3 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
(c) 2005 ProQuest Info&Learning. All rts. reserv.

02136245 68822700  
Beyond the bar code  
Schmidt, Charlie  
Technology Review v104n2 PP: 80-85 Mar 2001  
ISSN: 1099-274X JRNL CODE: TCR  
WORD COUNT: 2710

...TEXT: uses 96 bits of information: an 8-bit header, two sets of 24 bits each identifying the manufacturer and product type , and a 40-bit serial number . Ninety-six bits can encode enough information to uniquely identify trillions upon trillions of objects. When readers lining warehouse or retail store shelves intercept a tag's radio signal, which contains the product

code, they use the numbering...

13/3,K/7 (Item 7 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
(c) 2005 ProQuest Info&Learning. All rts. reserv.

00740953 93-90174  
How to avoid product duplication  
Weinstein, Steve  
Progressive Grocer v72n7 PP: 103-104 Jul 1993  
ISSN: 0033-0787 JRNL CODE: PGR  
WORD COUNT: 818

...TEXT: sensitive because of taste characteristics and need closer attention."

WHERE TO CUT

There are a number of ways to identify categories where there is

product duplication. The simplest, according to the study, is to check shelves , after a period of heavy business but before restocking, to see which non-promoted items...

13/3,K/11 (Item 2 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2005 The Gale Group. All rts. reserv.

07942719 Supplier Number: 66318470 (USE FORMAT 7 FOR FULLTEXT)  
Diametrics Medical Reports Record Third Quarter Sales; Sales Climb 40%,  
Gross Profit Rises 229%.

PR Newswire, pNA  
Oct 25, 2000  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 1019

... network, automatically import results and interface startup, and provide standardized script interface tools.

The extended shelf life of IRMA combination and blood gas cartridges aids customers' inventory management and enhances worldwide...

...accomplished with a simple scan of the cartridge packaging, automating the entry of the lot number , calibration code, cartridge type , and patient and user identifications .

Neotrend-L is a lengthened design of the Neotrend(TM) Continuous Blood Gas Monitoring System...



13/3,K/12 (Item 3 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2005 The Gale Group. All rts. reserv.

07775683 Supplier Number: 65024221 (USE FORMAT 7 FOR FULLTEXT)  
**THE COMMISSION PLANS TO LABEL EGGS ACCORDING TO FARMING METHOD.(Brief Article)**  
European Report, p494  
Sept 6, 2000  
Language: English Record Type: Fulltext  
Article Type: Brief Article  
Document Type: Newsletter; Trade  
Word Count: 221

(USE FORMAT 7 FOR FULLTEXT)  
TEXT:  
...being considered). Category A eggs might have more than one stamp, such as the minimum shelf life, the quality or weight category, the packing centre's reference number the egg's origin (or the producer's identification code). The draft Regulation simplifies marketing standards by dividing eggs into two categories, rather than...

13/3,K/13 (Item 4 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2005 The Gale Group. All rts. reserv.

07612361 Supplier Number: 61888608 (USE FORMAT 7 FOR FULLTEXT)  
**Whole-health marketing: Putting the plan into action.**  
Radice, Carol  
Grocery Headquarters, v66, n3, p39  
March, 2000  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 3636

Fighting for shelf space is a familiar battle for most supermarket operators. Complicating the "where are we going...

...with a flood of natural and organic products. As more supermarkets become involved in the category, a number of critical marketing and merchandising issues are emerging.

Recent research indicates that the movement to include as many natural and organic products in supermarkets as possible...

13/3,K/15 (Item 6 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2005 The Gale Group. All rts. reserv.

03856921 Supplier Number: 45529806 (USE FORMAT 7 FOR FULLTEXT)  
**TEST MARKET USA**  
Brandweek, v0, n0, p40  
May 8, 1995  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 1220

... drugstore and mass merchandiser, acting as the retailers' main contact and maintaining each product on shelves. Each week they scan every product that's on display, using a handheld computer to...

...location. They also collect data for customized reports, whatever variables a marketer wants to track: number of facings, size and type of display, shelf location for itself or competitors. 'We don't give any more competitive data than anyone could get just walking in the store and looking at the shelf,' Brihn said. But this is no casual stroll through the store.

The 50-person data...

13/3,K/18 (Item 9 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2005 The Gale Group. All rts. reserv.

03009950 Supplier Number: 44086410  
Radioscopie du lineaire vin  
Points de Vente, p47  
Sept 8, 1993  
Language: French; NONENGLISH Record Type: Abstract  
Document Type: Magazine/Journal; Trade

ABSTRACT:

A survey by Intercor and Secodip shows that hypermarkets have expanded the number of wine varieties which they stock to around 182 on average in 1992, while supermarkets stock around 114...

...increased to 130 in hypermarkets from 116 in 1991, accounting for 65% of the wine shelf-space. Foreign wines have only increased their presence in supermarkets. These wines are seeing a...

13/3,K/20 (Item 1 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2005 The Gale Group. All rts. reserv.

11772535 SUPPLIER NUMBER: 58065168 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
The Effect of Product Assortment on Buyer Preferences.  
SIMONSON, ITAMAR  
Journal of Retailing, 75, 3, 347  
Fall, 1999  
ISSN: 0022-4359 LANGUAGE: English RECORD TYPE: Fulltext  
WORD COUNT: 11962 LINE COUNT: 00984

... on a particular shopping occasion, and the manner in which options are displayed on the shelf can have significant effects on variety seeking (Read and Loewenstein 1996; Simonson 1990; Simonson and...

13/3,K/23 (Item 4 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2005 The Gale Group. All rts. reserv.

07875167 SUPPLIER NUMBER: 16840229 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
Test market USA.(Information Resources Inc. product testing in Eau Claire,

WI) (includes related article) (FMI Preview)  
Spethmann, Betsy  
Brandweek, v36, n19, p40(4)  
May 8, 1995  
ISSN: 1064-4318      LANGUAGE: ENGLISH      RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 1293      LINE COUNT: 00107

... location. They also collect data for customized reports, whatever variables a marketer wants to track: **number** of facings, size and **type** of **display**, **shelf** location for itself or competitors. "We don't give any more competitive data than anyone could get just walking in the store and looking at the **shelf**," Brihn said. But this is no casual stroll through the store.

The 50-person data...

13/3,K/24      (Item 5 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2005 The Gale Group. All rts. reserv.

07811270      SUPPLIER NUMBER: 17013776      (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Automation sows order picking efficiencies. (Park Seed Co.)**  
Packaging Digest, v32, n4, p40(2)  
March, 1995  
ISSN: 0030-9117      LANGUAGE: ENGLISH      RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 1546      LINE COUNT: 00117

... around to distribute the items into the totes on the workstation. Another set of light **displays** on the workstation, known as **sort bars**, **indicate** the **quantity** to be placed in each tote. For example, an operator may put five in one...

13/3,K/25      (Item 6 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2005 The Gale Group. All rts. reserv.

07750515      SUPPLIER NUMBER: 16740321      (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Making the effort for convenience foods. (Supermarket Instore Business)**  
Schurer, Marcia  
Supermarket Business, v50, n3, p139(5)  
March, 1995  
ISSN: 0196-5700      LANGUAGE: ENGLISH      RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 2222      LINE COUNT: 00177

... displays may run anywhere from three feet to 50 feet long and five to six **shelves** high.

The sandwich category illustrates the retailers' use of both variety and display as marketing...

13/3,K/26      (Item 7 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2005 The Gale Group. All rts. reserv.

07195851      SUPPLIER NUMBER: 15162026      (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Rules were made to be broken. (shoe retail industry)**  
MacDonald, Laurie

Footwear News, v50, n5, pS26(1)

Jan 31, 1994

ISSN: 0162-914X

LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 748

LINE COUNT: 00059

... taking a no-frills approach. Merchandising in these cases simply means tossing shoes on a shelf or slat wall with little reverence for product classification. Even miscellaneous and clearly unrelated merchandise...

13/3,K/27 (Item 8 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB

(c)2005 The Gale Group. All rts. reserv.

06788999 SUPPLIER NUMBER: 14863227 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Quick retrieval of analyzed specimens.

Rose, William; Suarez, Erlinda; Whisler, Kenneth

Medical Laboratory Observer, v25, n12, p32(3)

Dec, 1993

ISSN: 0580-7247

LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 1646

LINE COUNT: 00125

... by a unique accession number and container type. Each rack has a home refrigerator and shelf.

Rows and columns. Racks are organized using a numbering system that identifies rows and columns...

13/3,K/29 (Item 10 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB

(c)2005 The Gale Group. All rts. reserv.

06222542 SUPPLIER NUMBER: 14106514 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Multipackaging: the classic approach. (Hi-Cone multipackaging system)

Smith, John

Packaging, v63, n693, p14(3)

August, 1992

ISSN: 0951-161X

LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 1662

LINE COUNT: 00124

... and labels can be applied to either the top or underside of this to aid identification of the number and type of contents as well as promotion of the product.

Another recent introduction has been the...

13/3,K/30 (Item 11 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB

(c)2005 The Gale Group. All rts. reserv.

05533858 SUPPLIER NUMBER: 11500120 (USE FORMAT 7 OR 9 FOR FULL TEXT)

The wave of application generation software is breaking on auto ID. (Trends in Auto ID)(automatic identification systems)

Fales, James F.

Industrial Engineering, v23, n10, p22(2)

Oct, 1991

ISSN: 0019-8234

LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 1200

LINE COUNT: 00093

... pattern, and/or prefix. Some examples of fields are employee number, part number, document number, shelf location, quantity, condition, etc.

Transactions are composed of fields arranged in the desired order and

13/3,K/34 (Item 15 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2005 The Gale Group. All rts. reserv.

04118800 SUPPLIER NUMBER: 08015845 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
Retailers beef up displays as competition intensifies. (supermarket sales of magazines)

Elson, Joel

Supermarket News, v39, n40, p32(2)

Oct 2, 1989

ISSN: 0039-5803

LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT

WORD COUNT: 2398

LINE COUNT: 00190

... and increasing the number of checkstand pockets.

Although the category represents healthy profits and fast shelf turns, supermarket retailers are concerned that other classes of trade trying to strengthen their magazine...

13/3,K/38 (Item 19 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2005 The Gale Group. All rts. reserv.

02478000 SUPPLIER NUMBER: 03850697 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
Shelf plan lifts Thriftway gross profit.

Elson, Joel

Supermarket News, v35, p28(1)

July 8, 1985

ISSN: 0039-5803

LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT

WORD COUNT: 346

LINE COUNT: 00026

... the warehouse. From this data, a new shelf tag will be issued for each item, showing the reorder point; profit ranking of the item within its category; number of products to pack out; weekly movement, and whether the product is a fast, medium...

13/TI/1 (Item 1 from file: 15)  
DIALOG(R)File 15:(c) 2005 ProQuest Info&Learning. All rts. reserv.

Reps voice commission concerns

13/TI/2 (Item 2 from file: 15)  
DIALOG(R)File 15:(c) 2005 ProQuest Info&Learning. All rts. reserv.

Russell keeps workers tuned with ERM

13/TI/3 (Item 3 from file: 15)  
DIALOG(R)File 15:(c) 2005 ProQuest Info&Learning. All rts. reserv.

Beyond the bar code

13/TI/4 (Item 4 from file: 15)  
DIALOG(R)File 15:(c) 2005 ProQuest Info&Learning. All rts. reserv.

A household name

13/TI/5 (Item 5 from file: 15)  
DIALOG(R)File 15:(c) 2005 ProQuest Info&Learning. All rts. reserv.

Retail stores in poor urban neighborhoods

13/TI/6 (Item 6 from file: 15)  
DIALOG(R)File 15:(c) 2005 ProQuest Info&Learning. All rts. reserv.

Visual Recall takes on heavyweight document apps with ease of use

13/TI/7 (Item 7 from file: 15)  
DIALOG(R)File 15:(c) 2005 ProQuest Info&Learning. All rts. reserv.

How to avoid product duplication

13/TI/8 (Item 8 from file: 15)  
DIALOG(R)File 15:(c) 2005 ProQuest Info&Learning. All rts. reserv.

Filing Performance Measured by Quality and Quantity

13/TI/9 (Item 9 from file: 15)  
DIALOG(R)File 15:(c) 2005 ProQuest Info&Learning. All rts. reserv.

The Microprocessor Popularity Race

13/TI/10 (Item 1 from file: 16)  
DIALOG(R)File 16:(c) 2005 The Gale Group. All rts. reserv.

Hewlett-Packard goes factory direct, CTO with laptop line. (Computer Technology). (Brief Article)

13/TI/11 (Item 2 from file: 16)  
DIALOG(R)File 16:(c) 2005 The Gale Group. All rts. reserv.

Diametrics Medical Reports Record Third Quarter Sales; Sales Climb 40%,  
Gross Profit Rises 229%.

13/TI/12 (Item 3 from file: 16)  
DIALOG(R)File 16:(c) 2005 The Gale Group. All rts. reserv.

THE COMMISSION PLANS TO LABEL EGGS ACCORDING TO FARMING METHOD. (Brief  
Article)

13/TI/13 (Item 4 from file: 16)  
DIALOG(R)File 16:(c) 2005 The Gale Group. All rts. reserv.

Whole-health marketing: Putting the plan into action.

13/TI/14 (Item 5 from file: 16)  
DIALOG(R)File 16:(c) 2005 The Gale Group. All rts. reserv.

SENSOR MARKETS AND TECHNOLOGIES UPDATE: CYRANO ENHANCES THE MARKET  
POTENTIAL OF E-NOSE SENSING TECHNOLOGY.

13/TI/15 (Item 6 from file: 16)  
DIALOG(R)File 16:(c) 2005 The Gale Group. All rts. reserv.

TEST MARKET USA

13/TI/16 (Item 7 from file: 16)  
DIALOG(R)File 16:(c) 2005 The Gale Group. All rts. reserv.

Shaping Up: New varieties, low prices and prepared sauces have the pasta  
category cooking

13/TI/17 (Item 8 from file: 16)  
DIALOG(R)File 16:(c) 2005 The Gale Group. All rts. reserv.

Suppliers Cite JC Penney For Depth of Wall Decor

13/TI/18 (Item 9 from file: 16)  
DIALOG(R)File 16:(c) 2005 The Gale Group. All rts. reserv.

Radioscopie du lineaire vin

13/TI/19 (Item 1 from file: 47)  
DIALOG(R)File 47:(c) 2005 The Gale group. All rts. reserv.

The design and typography of children's books.

13/TI/20 (Item 1 from file: 148)

DIALOG(R) File 148:(c)2005 The Gale Group. All rts. reserv.

The Effect of Product Assortment on Buyer Preferences.

13/TI/21 (Item 2 from file: 148)

DIALOG(R) File 148:(c)2005 The Gale Group. All rts. reserv.

The anatomy of a cheesecake: to make truly unique products, The Eli's Cheesecake Co.'s year-old plant combines the best of quantity production with quality handwork.

13/TI/22 (Item 3 from file: 148)

DIALOG(R) File 148:(c)2005 The Gale Group. All rts. reserv.

Shaping up. (pasta)

13/TI/23 (Item 4 from file: 148)

DIALOG(R) File 148:(c)2005 The Gale Group. All rts. reserv.

Test market USA. (Information Resources Inc. product testing in Eau Claire, WI) (includes related article) (FMI Preview)

13/TI/24 (Item 5 from file: 148)

DIALOG(R) File 148:(c)2005 The Gale Group. All rts. reserv.

Automation sows order picking efficiencies. (Park Seed Co.)

13/TI/25 (Item 6 from file: 148)

DIALOG(R) File 148:(c)2005 The Gale Group. All rts. reserv.

Making the effort for convenience foods. (Supermarket Instore Business)

13/TI/26 (Item 7 from file: 148)

DIALOG(R) File 148:(c)2005 The Gale Group. All rts. reserv.

Rules were made to be broken. (shoe retail industry)

13/TI/27 (Item 8 from file: 148)

DIALOG(R) File 148:(c)2005 The Gale Group. All rts. reserv.

Quick retrieval of analyzed specimens.

13/TI/28 (Item 9 from file: 148)

DIALOG(R) File 148:(c)2005 The Gale Group. All rts. reserv.

Pyxis inks four major GPOs for supply systems. (Pyxis Corp.; group purchasing organizations)

13/TI/29 (Item 10 from file: 148)

DIALOG(R) File 148:(c)2005 The Gale Group. All rts. reserv.



Multipackaging: the classic approach. (Hi-Cone multipackaging system)

13/TI/30 (Item 11 from file: 148)  
DIALOG(R)File 148:(c)2005 The Gale Group. All rts. reserv.

The wave of application generation software is breaking on auto ID. (Trends in Auto ID) (automatic identification systems)

13/TI/31 (Item 12 from file: 148)  
DIALOG(R)File 148:(c)2005 The Gale Group. All rts. reserv.

Second annual HBA operations review. (health and beauty aids) (Nonfoods Business)

13/TI/32 (Item 13 from file: 148)  
DIALOG(R)File 148:(c)2005 The Gale Group. All rts. reserv.

Helping food stores compete helps service merchandisers. (service merchandisers help supermarkets to sell nonfood items)

13/TI/33 (Item 14 from file: 148)  
DIALOG(R)File 148:(c)2005 The Gale Group. All rts. reserv.

Against the grain: Chanatry doesn't do much by the book - except make money. (Chanatry's Supermarket, Utica, New York) (Store of the Month)

13/TI/34 (Item 15 from file: 148)  
DIALOG(R)File 148:(c)2005 The Gale Group. All rts. reserv.

Retailers beef up displays as competition intensifies. (supermarket sales of magazines)

13/TI/35 (Item 16 from file: 148)  
DIALOG(R)File 148:(c)2005 The Gale Group. All rts. reserv.

Formal mechanisms: helping the governor to manage.

13/TI/36 (Item 17 from file: 148)  
DIALOG(R)File 148:(c)2005 The Gale Group. All rts. reserv.

A fast rise for kids's sunscreens. (at supermarkets)

13/TI/37 (Item 18 from file: 148)  
DIALOG(R)File 148:(c)2005 The Gale Group. All rts. reserv.

Ex-junk food, candy gaining higher status. (supermarkets selling candy)

13/TI/38 (Item 19 from file: 148)  
DIALOG(R)File 148:(c)2005 The Gale Group. All rts. reserv.

Shelf plan lifts Thriftway gross profit.

13/TI/39 (Item 20 from file: 148)  
DIALOG(R)File 148:(c)2005 The Gale Group. All rts. reserv.

Retailers must rethink soft drink merchandising.

13/TI/40 (Item 1 from file: 624)  
DIALOG(R)File 624:(c) 2005 McGraw-Hill Co. Inc. All rts. reserv.

STALKING THE NEW CONSUMER: AS MARKETS FRACTURE, P&G AND OTHERS SHARPEN  
'MICRO MARKETING'

Set	Items	Description
S1	253091	NUMBER OR NUMERIC OR AMOUNT OR QUANTITY
S2	261866	VARIET? OR TYPE? OR KIND? ? OR SORT OR SORTS OR CATEGOR?
S3	429122	DISPLAY? OR SHOW? OR IDENTIF? OR INDICAT?
S4	13846	CABINET? OR SHELF OR SHELVES OR DRAWER? OR DISPENSAR?
S5	9565	S1(5N)S2
S6	741	S5(10N)S3
S7	0	S6(S)S4
S8	2349	S5(S)S3
S9	6	S8(S)S4

? show files

File 129:PHIND(Archival) 1980-2005/May W3

(c) 2005 T&F Informa UK Ltd

File 130:PHIND(Daily & Current) 2005/May 24

(c) 2005 T&F Informa UK Ltd

File 149:TGG Health&Wellness DB(SM) 1976-2005/May W3

(c) 2005 The Gale Group

File 444:New England Journal of Med. 1985-2005/May W2

(c) 2005 Mass. Med. Soc.

File 455:Drug News & Perspectives 1992-2005/Mar

(c) 2005 Prous Science

9/3,K/1 (Item 1 from file: 149)  
DIALOG(R)File 149:TGG Health&Wellness DB(SM)  
(c) 2005 The Gale Group. All rts. reserv.

02471812 SUPPLIER NUMBER: 123637429 (USE FORMAT 7 OR 9 FOR FULL TEXT  
)

An Rx home pays off big for retailers.(Foot Care)

Chain Drug Review, 26, 17, 39(2)

Oct 11,  
2004

PUBLICATION FORMAT: Magazine/Journal ISSN: 0164-9914 LANGUAGE: English  
RECORD TYPE: Fulltext TARGET AUDIENCE: Trade  
WORD COUNT: 362 LINE COUNT: 00031

... pick up what they need.

In addition, the company has developed a countertop six-pack display for either the pharmacists' or checkout counter. Off-shelf offerings in the category have proved successful for a number of discounters, and now other drug chains are following Rite Aid's lead and experimenting with displaying foot care medications near the pharmacy counter and other areas of the store.

Going outside...

9/3,K/2 (Item 2 from file: 149)  
DIALOG(R)File 149:TGG Health&Wellness DB(SM)  
(c) 2005 The Gale Group. All rts. reserv.

02110300 SUPPLIER NUMBER: 92865418 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
Full-body balm to help heal a hurt. (Pharmaceutical Packaging).(F.C.

Sturtevant Co. introduces tamper-resistant label for medicine bottles)  
Packaging Digest, 39, 9, 54(1)

Sept,  
2002

PUBLICATION FORMAT: Magazine/Journal ISSN: 0030-9117 LANGUAGE: English  
RECORD TYPE: Fulltext TARGET AUDIENCE: Trade  
WORD COUNT: 682 LINE COUNT: 00059

... agency, which used elements reviving some of Columbia's historical graphics, to digitally photograph and show to customers and brokers through the Internet. Other customers viewed the comp itself during meetings...

...absolutely incredible. Suddenly, every customer wanted to be the first to have it on their shelves. In fact, brokers who were formerly associated with the number-one brand in the category are now switching over."

They could all be first. Shipments of the 6-oz size...

9/3,K/3 (Item 3 from file: 149)  
DIALOG(R)File 149:TGG Health&Wellness DB(SM)  
(c) 2005 The Gale Group. All rts. reserv.

01945941 SUPPLIER NUMBER: 63667352 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Professional Collections in Library Media Centers.

Wilson, Patricia

Teacher Librarian, 27, 5, 16

June,  
2000

PUBLICATION FORMAT: Magazine/Journal ISSN: 1481-1782 LANGUAGE: English  
RECORD TYPE: Fulltext TARGET AUDIENCE: Professional  
WORD COUNT: 3266 LINE COUNT: 00280

... their existing interest in professional collections.

3. Although the cover letter attached to the survey identified the meaning of "professional collection," the respondents' use of the term might vary according to the number and variety of materials available. For example, a teacher-librarian who orders several professional journals for teachers may consider this a professional collection, or a teacher-librarian who provides teachers with a shelf of donated textbooks may consider this a professional collection.

The 299 secondary librarians responding "yes..."

9/3,K/4 (Item 4 from file: 149)  
DIALOG(R)File 149:TGG Health&Wellness DB(SM)  
(c) 2005 The Gale Group. All rts. reserv.

01868725 SUPPLIER NUMBER: 57437023 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
The Home Visit.

UNWIN, BRIAN K.; JERANT, ANTHONY F.  
American Family Physician, 60, 5, 1481  
Oct 1,  
1999

PUBLICATION FORMAT: Magazine/Journal ISSN: 0002-838X LANGUAGE: English  
RECORD TYPE: Fulltext TARGET AUDIENCE: Professional  
WORD COUNT: 3850 LINE COUNT: 00391

... burnout is critically important.

Medications. To remedy or avoid polypharmacy, the physician must evaluate the type, amount and frequency of medications, and the organization and methods of medication delivery. An inventory of the patient's medicine cabinet can provide clues to previously unidentified drug-drug or drug-food interactions. A home medication...

...can also allow a direct estimate of patient compliance, uncover evidence of "doctor shopping" and identify the use or abuse of over-the-counter medications and herbal remedies.

Examination. The home...

9/3,K/5 (Item 5 from file: 149)  
DIALOG(R)File 149:TGG Health&Wellness DB(SM)  
(c) 2005 The Gale Group. All rts. reserv.

01712583 SUPPLIER NUMBER: 19694557 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
Best practices in managing organized delivery systems.

Gillies, Robin R.; Shortell, Stephen M.; Young, Gary J.  
Hospital & Health Services Administration, v42, n3, p299(23)  
Fall,  
1997

PUBLICATION FORMAT: Magazine/Journal ISSN: 8750-3735 LANGUAGE: English  
RECORD TYPE: Fulltext; Abstract TARGET AUDIENCE: Trade  
WORD COUNT: 9901 LINE COUNT: 00849

... Information Systems

An effective ODS requires a well-developed information system that can supply a number of types of data--on patients, providers, and payors--for a number of linked users. Unfortunately, the state of the art has not advanced to the point of even identifying what needs to be in an ODS information system--let alone marketing one "off the shelf" ready for use. Because ODSs vary so greatly in their missions, structures, and components, there...

9/3,K/6 (Item 6 from file: 149)  
DIALOG(R)File 149:TGG Health&Wellness DB(SM)  
(c) 2005 The Gale Group. All rts. reserv.

01149826 SUPPLIER NUMBER: 06599896 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
High-strength sunscreens heat up sales. (supermarket sales)  
Elson, Joel  
Supermarket News, v38, n35, p16(3)  
Aug 29,  
1988  
PUBLICATION FORMAT: Magazine/Journal ISSN: 0039-5803 LANGUAGE: English  
RECORD TYPE: Fulltext TARGET AUDIENCE: Trade  
WORD COUNT: 1443 LINE COUNT: 00136

... SPF numbers, which is what consumers want today.  
"Suntan products are usually displayed off the shelf on endcaps.  
Although we haven't increased the amount of category shelf space,  
we've redone the product mix to reflect the kinds of items in the...

	Type	Hits	Search Text
1	BRS	9	((inventory or quantity) near5 (flash or flashing)) and (medication or medicine )
2	BRS	850	((inventory or quantity) near5 (flash or flashing))
3	BRS	832	((inventory or quantity) near5 (flash or flashing)) and ((flash or flashing) near5 (number or quantity))
4	BRS	32	((inventory or quantity) near5 (flash or flashing)) and ((flash or flashing) near5 (number or quantity)) and (dispenser or dispensing)
5	BRS	3	("5646912" or "5646912" or "6636780" or "5905653").pn.
6	BRS	1	"5673983".pn.
7	BRS	29	"5646912"
8	BRS	66	((medication or medicine) NEAR5 DISPENSER) and "bar code"
9	BRS	1	("5752235" or "5745366" or "5805456" or "6151536" or "5805455").pn.and "bar code"
10	BRS	17	((medication or medicine) NEAR5 DISPENSER) and ("bar code" near10 identification)
11	BRS	2	((inventory or quantity) near5 (flash or flashing)) and (medication or medicine ) and (display near5 (variety or diverse or diversity or different))
12	BRS	391	(inventory or quantity) and (medication or medicine ) and (display near5 (variety or diverse or diversity or different))
13	BRS	34	(display near5 (inventory or quantity)) and (medication or medicine ) and (display near5 (variety or diverse or diversity or different))
14	BRS	43	(display near5 (inventory or quantity)) and (medication or medicine ) and (display near5 (variety or diverse or diversity or different or type))
15	BRS	6	("5408443" or "5377864" or "5564803" or "5330062" or "4783740" or "5877962").pn.
16	BRS	1	(haitin).in. and butler
17	BRS	1	"6151536".PN.
18	BRS	1	"5880443".PN.
19	BRS	1	"5845264".PN.
20	BRS	1	"20020027507".PN.
21	BRS	1	"6352200".PN.
22	BRS	1	"20020095424".PN.
23	BRS	1	"6151536".PN.
24	BRS	1	"6294999".pn.
25	BRS	2	"09474319" and yarin.in.
26	BRS	2	"09474319" and yarin.in.
27	BRS	0	"09474319" and yarin.in.
28	BRS	0	yarin.in. and regimen
29	BRS	35	yarin.in.
30	BRS	1	yarin.in. and becton
31	BRS	45	(display near5 (inventory or quantity)) and (medication or medicine ) and (display near5 (variety or diverse or diversity or different or type))
32	BRS	45	(display near5 (inventory or quantity)) and (medication or medicine ) and (display near5 (variety or diverse or diversity or different or type))

	DBs	Time Stamp	Comments	Error Definition
1	USPAT	2004/11/04 14:41		
2	USPAT	2004/05/28 20:12		
3	USPAT	2004/05/28 20:13		
4	USPAT	2004/05/28 21:20		
5	USPAT	2004/05/28 21:25		
6	USPAT	2004/05/28 22:00		
7	USPAT	2004/05/29 03:45		
8	USPAT	2004/05/29 04:02		
9	USPAT	2004/05/29 03:50		
10	USPAT	2004/05/29 04:03		
11	USPAT	2005/05/20 20:26		
12	USPAT	2004/11/04 14:44		
13	USPAT	2005/05/20 20:26		
14	USPAT	2005/05/20 20:24		
15	USPAT	2005/01/06 17:33		
16	USPAT	2005/01/09 18:54		
17	USPAT; USOCR	2005/01/09 17:03		
18	USPAT; USOCR	2005/01/09 17:03		
19	USPAT; USOCR	2005/01/09 17:03		
20	US-PGPUB	2005/01/09 17:04		
21	USPAT; USOCR	2005/01/09 17:04		
22	US-PGPUB	2005/01/09 17:05		
23	USPAT; USOCR	2005/01/09 18:24		
24	USPAT	2005/01/09 18:56		
25	US-PGPUB; USPAT	2005/01/09 18:57		
26	US-PGPUB; USPAT; EPO; DERWENT	2005/01/09 18:58		
27	EPO; DERWENT	2005/01/09 18:58		
28	EPO; DERWENT	2005/01/09 18:58		
29	EPO; DERWENT	2005/01/09 18:59		
30	EPO; DERWENT	2005/01/09 18:59		
31	USPAT	2005/05/20 20:25		
32	USPAT; USOCR; EPO; JPO; DERWENT	2005/05/20 20:26		



	Errors	Ref #
1		S1
2		S2
3		S3
4		S4
5		S5
6		S6
7		S7
8		S8
9		S9
10		S10
11		S11
12		S12
13		S13
14		S14
15		S15
16		S16
17		S17
18		S18
19		S19
20		S20
21		S21
22		S22
23		S23
24		S24
25		S25
26		S26
27		S27
28		S29
29		S28
30		S30
31		S31
32		S32

	Type	Hits	Search Text
33	BRS	36	((display near5 (inventory or quantity)) and (medication or medicine ) and (display near5 (variety or diverse or diversity or different))
34	BRS	2	((inventory or quantity) near5 (flash or flashing)) and (medication or medicine ) and (display near5 (variety or diverse or diversity or different))
35	BRS	399	(700/236 OR 700/244).CCLS.
36	BRS	36	((display near5 (inventory or quantity)) and (medication or medicine ) and (display near5 (variety or diverse or diversity or different))
37	BRS	157	((display) and (medication or medicine ) and (display near5 (variety or diverse or diversity or different)) and (shelf or cabinet)
38	BRS	0	"display varieties" and (shelf or cabinet)
39	BRS	7	"display varieties"
40	BRS	818	(inventory near5 (variety or varieties))
41	BRS	2473	((shelf or drawer) and (display near5 (variety or diverse or diversity or different))
42	BRS	681	((shelf or drawer) and (display near (variety or diverse or diversity or different))
43	BRS	84	((shelf or drawer) and (display near (variety or diverse or diversity or different)) and inventory
44	BRS	84	((shelf or drawer) and (display near (variety or diverse or diversity or different or varieties)) and inventory
45	BRS	84	((shelf or drawer) and (display near (variety or diverse or diversity or different or varieties)) and inventory

	DBs	Time Stamp	Comments	Error Definition
33	USPAT	2005/05/20 20:26		
34	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	2005/05/20 20:34		
35	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	2005/05/20 20:36		
36	USPAT	2005/05/21 19:33		
37	USPAT	2005/05/21 18:51		
38	USPAT	2005/05/21 18:52		
39	USPAT	2005/05/21 19:32		
40	USPAT	2005/05/21 19:32		
41	USPAT	2005/05/21 19:33		
42	USPAT	2005/05/21 19:33		
43	USPAT	2005/05/21 19:34		
44	USPAT	2005/05/21 20:00		
45	USPAT	2005/05/21 20:00		

	Errors	Ref #
33		S33
34		S35
35		S36
36		S37
37		S38
38		S39
39		S40
40		S41
41		S42
42		S43
43		S44
44		S45
45		S46

Set	Items	Description
S1	2193225	NUMBER OR NUMERIC OR AMOUNT OR QUANTITY
S2	2392716	VARIET? OR TYPE? OR KIND? ? OR SORT OR SORTS OR CATEGOR?
S3	2987518	DISPLAY? OR SHOW? OR IDENTIF? OR INDICAT?
S4	135583	CABINET? OR SHELF OR SHELVES OR DRAWER? OR DISPENSAR?
S5	221680	S1(10N)S2
S6	72538	S5(S)S3
S7	713	S6(S)S4
S8	133018	S1(5N)S2
S9	43148	S8(S)S3
S10	484	S9(S)S4
S11	37	S10 AND IC=G06F-017/60
S12	18	S11 NOT PY>2001

? show files

File 348:EUROPEAN PATENTS 1978-2005/May W03

(c) 2005 European Patent Office

File 349:PCT FULLTEXT 1979-2005/UB=20050519,UT=20050512

(c) 2005 WIPO/Univentio

File 324:German Patents Fulltext 1967-200519

(c) 2005 Univentio

12/3,K/1 (Item 1 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
(c) 2005 European Patent Office. All rts. reserv.

00672782

Method of and apparatus for scheduling parts deliverer running and method  
of managing parts deliverers

Verfahren und Vorrichtung zur Zeitplansteuerung von  
Teilleistereinrichtungen und Verfahren zum Managen der  
Teilleistereinrichtungen

Methode et appareil pour l'ordonnancement de la livraison de pieces et  
methode pour gerer des livreurs de pieces

## PATENT ASSIGNEE:

TOYOTA JIDOSHA KABUSHIKI KAISHA, (203741), 1, Toyota-cho Toyota-shi,  
Aichi-ken, (JP), (Proprietor designated states: all)

## INVENTOR:

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PATENT (CC, No, Kind, Date): EP 645724 A2 950329 (Basic)

EP 645724 A3 960320

EP 645724 B1 010516

APPLICATION (CC, No, Date): EP 94114753 940919;

PRIORITY (CC, No, Date): JP 93233347 930920

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: G05B-019/418; G06F-017/60

ABSTRACT WORD COUNT: 118

## NOTE:

Figure number on first page: 2

LANGUAGE (Publication,Procedural,Application): English; English; English

## FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPAB95	725
CLAIMS B	(English)	200120	741
CLAIMS B	(German)	200120	626
CLAIMS B	(French)	200120	914
SPEC A	(English)	EPAB95	9060
SPEC B	(English)	200120	9208
Total word count - document A			9787
Total word count - document B			11489
Total word count - documents A + B			21276

...INTERNATIONAL PATENT CLASS: G06F-017/60

...SPECIFICATION are to be delivered for use. In step S21 in FIG. 9(A),  
data relating " kind of parts, parts factory, quantity of parts and  
parts shelf array address" with respect to a shipment unit of parts are  
abridged.

Among parts are...

...SPECIFICATION are to be delivered for use. In step S21 in FIG. 9(A), data relating " kind of parts, parts factory, quantity of parts and parts shelf array address" with respect to a shipment unit of parts are abridged.

Among parts are...

12/3,K/2 (Item 1 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00865426 \*\*Image available\*\*

**METHOD AND SYSTEM FOR REMOTELY COMMUNICATING WITH AN ON-LINE STOREFRONT  
PROCEDE ET SYSTEME DE COMMUNICATION A DISTANCE AVEC UNE VITRINE VIRTUELLE**  
Patent Applicant/Assignee:

VERT TECH LLC, 103 Foulk Road, Wilmington, DE 19803, US, US (Residence),  
US (Nationality)

Inventor(s):

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Legal Representative:

BOSWELL MaryJane (agent), Morgan, Lewis & Bockius LLP, 1800 M. Street,  
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Patent and Priority Information (Country, Number, Date):

Patent: WO 200199024 A1 20011227 (WO 0199024)

Application: WO 2001US41046 20010620 (PCT/WO US0141046)

Priority Application: US 2000212823 20000621

Designated States:

(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE  
ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT  
LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM  
TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 4134

Main International Patent Class: G06F-017/60

Fulltext Availability:

Claims

Claim

... Referring to Figure 1, a simplified overview of a preferred embodiment of the invention is shown having at least one wide area network server I 00 connected to a widearea-network...

...potential trader. Each terminal of the sales operators may have a pop-up window (not shown) which can replicate the web-page as seen by the potential trader. Each sales operator's terminal may also have a time line diagram (not shown) in another pop-up window that shows data duration of a visit, number of previous visits, the type of product queried or being 1 5:queried and the number of times the potential...

...DNS LOC information, the server 100 will generate a pop-up window of a map showing the location. Otherwise, the server 1 00 can perform a

reverse IP lookup by querying...

...geo-registrar, to determine the geographic location of the potential trader. Alternatively, any off-the-shelf EP look-up engine can be used in place of the JavaScript to perform the...

...and performs a relational search based on a variety of predetermined parameters. For example, as shown in Table 1, the database stores 15 the various parameters in a two-dimensional...1 00, and change the prices or promotions on the website. The change would be displayed the next time there is a request for the webpage. Accordingly, the preferred embodiment will...

...location of the trader. Conceivably, the salesperson, along with a sample of the merchandise, could show up on the door of the trader's office within a few minutes of the...

...duration of shortest or longest visits, any account information with the on-line storefront, type of products previously purchased, number of visits per purchase, or any type of presorted-data helpful in expediting a deal...

...line site, a sales person can meet up with the trader 400 at the trade show. Another benefit of the preferred embodiment occurs when a salesperson learns that a competitor is...

12/3,K/3 (Item 2 from file: 349)  
 DIALOG(R) File 349:PCT FULLTEXT  
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00835793 \*\*Image available\*\*  
 SYSTEM AND METHOD FOR AUTOMATING BUSINESS PROCESSES AND PERFORMING DATA INTERCHANGE OPERATIONS IN A DISTRIBUTED COMPUTING ENVIRONMENT  
 SYSTEME ET PROCEDURE D'AUTOMATISATION DE PROCESSUS D'ENTREPRISES ET DE REALISATION D'OPERATIONS D'ECHANGE DE DONNEES DANS UN ENVIRONNEMENT INFORMATIQUE DISTRIBUE

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 NORDBERG Per Henrik, 1675 Geary Road, Walnut Creek, CA 94596-2519, US,  
 CHU Shung-Yang Frank, 301 Rugby Avenue, Kensington, CA 94708, US,

Legal Representative:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200169431 A2 20010920 (WO 0169431)  
 Application: WO 2001US8611 20010314 (PCT/WO US0108611)  
 Priority Application: US 2000524995 20000314

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ  
 EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS  
 LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ  
 TM TR TT TZ UA UG UZ VN YU ZA ZW



(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR  
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 23262

Main International Patent Class: G06F-017/60

Fulltext Availability:

Claims

#### Claim

... more possible. Electronic forms replaced paper forms. Databases storing large amounts of information replaced file cabinets. E-mail replaced manual routing. However, the first attempts at providing an automated WO 01...

...interaction of the various components of the present invention;  
FIGURE 4 is an illustrative screen display of one embodiment of the present invention illustrating a modeling tool for defining tasks in a workflow;  
FIGURE 5A is an illustrative screen display of one embodiment of a general task window of the modeling tool illustrating the creation of a manager approval task;  
FIGURE 5B is an illustrative screen display of a general task window illustrating the creation of a manager approval escalation task;  
FIGURE 6 is an illustrative screen display of one embodiment of a role definition window of the modeling tool;  
FIGURE 7 is an illustrative screen display of one embodiment of an escalation window of the modeling tool;  
FIGURE 8 is an illustrative screen display of one embodiment of a document window of the modeling tool;  
FIGURE 9A is an illustrative screen display of one embodiment of an action list window of the modeling tool illustrating the creation of an action list; FIGURE 9B is an illustrative screen display of another action list window illustrating the creation of an action list for a purchase request task;  
FIGURE 9C is an illustrative screen display of another action list window illustrating the creation of an action list for the manager...

...flow diagram illustrating a process of executing a task suitable for use in the process shown in FIGURE 10;  
FIGURE 12 is a flow diagram illustrating a process of executing a route suitable for use in the process shown in FIGURE 11;  
FIGURE 13 is a flow diagram illustrating a process of executing an object suitable for use in the process shown in FIGURE 11;  
FIGURE 14 is a flow diagram illustrating a process of executing database calls suitable for use in the process shown in FIGURE 11;  
FIGURE 15 is a flow diagram illustrating a process of executing expressions suitable for use in the process shown in FIGURE 11;  
FIGURE 16 is a flow diagram illustrating a process of executing external logic suitable for use in the process shown in FIGURE 11;  
FIGURE 17 is a flow diagram illustrating a process of executing internal drivers suitable for use in the process shown in FIGURE 11;  
FIGURE 18 is a flow diagram illustrating a process performed by...and

...to determine the workflow data elements in the specified document. FIGURE 20 illustrates an illustrative display of the built-in object browser 352. This allows the present invention to map to...

...LTRL edit box 340. The document window 348 performs a browser type feature, such as displaying contents of the document specified in the URL edit box 340, to aid the process...

...then select the action tab 260 that causes the present invention to execute instructions for displaying an action window 360. An illustrative screen display for an action window is shown in FIGURE 9A. The action window 360 includes an action list window 362 and an... 364 provides a hierarchical tree structure of the available data elements of the named task (shown generally at 290). The data element "\$count" is shown as a branch from a route process entitled "Process-Data". This indicates that \$count is a global data element that is available to all the tasks of...

...embodiment of the present invention, the modeler may include a menu item or button for displaying versioning options. An illustrative versioning window 681 is shown in FIGURE 68. Using the versioning window 681, the workflow administrator 66 may specify how...

12/3,K/4 (Item 3 from file: 349)  
 DIALOG(R)File 349:PCT FULLTEXT  
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00829887 \*\*Image available\*\*  
**INFORMATION SYSTEM AND METHOD**  
**SYSTEME ET PROCEDE D'INFORMATION**  
 Patent Applicant/Inventor:  
 SGAMBARO Flavio, Via Rive, 12, I-31030 Castelfuccho, IT, IT (Residence),  
 IT (Nationality)  
 SGAMBARO Maria Antonietta, Via San Giorgio, 3/3, I-31010 Maser, IT, IT  
 (Residence), IT (Nationality)  
 Legal Representative:  
 LUCKHURST Anthony Henry William (agent), Marks & Clerk, 57-60 Lincolns  
 Inn Fields, London WC2A 3LS, GB,  
 Patent and Priority Information (Country, Number, Date):  
 Patent: WO 200163440 A2 20010830 (WO 0163440)  
 Application: WO 2001IB401 20010223 (PCT/WO IB0100401)  
 Priority Application: GB 20004303 20000223; GB 200029862 20001207  
 Designated States:  
 (Protection type is "patent" unless otherwise stated - for applications  
 prior to 2004)  
 CA JP US  
 (EP) AT BB CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR.  
 Publication Language: English  
 Filing Language: English  
 Fulltext Word Count: 10338

Main International Patent Class: G06F-017/60  
 Fulltext Availability:  
 Detailed Description

Detailed Description  
 ... be perfectly organised via the resource server, considering that the

user may choose between the kind and number of items available on shelves and the available promotions, and considering that the undertaking may vary promotions by knowing the kind and quantity of items sold. This last information is communicated directly by the user, just using the available interactive features displayed in his mobile, selecting one, or more, of the promotions available, and/or paying for...

12/3,K/5 (Item 4 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
(c) 2005 WIPO/Univentio. All rts. reserv.

00815161 \*\*Image available\*\*  
RETAIL SYSTEMS AND METHODS EMPLOYING A SHELF DISPLAY TO PROVIDE PURCHASE INCENTIVES  
SYSTEMES ET PROCEDES DE VENTE AU DETAIL UTILISANT UN PRESENTOIR DU TYPE GONDOLE POUR OFFRIR DES INCITATIONS A L'ACHAT  
Patent Applicant/Assignee:  
SOFTCARD SYSTEMS INC, Suite B, 1592 Mars Hill Road, Watkinsville, GA 30677, US, US (Residence), US (Nationality)  
Inventor(s):  
POWELL Ken R, Suite B, 1592 Mars Hill Road, Watkinsville, GA 30677, US,  
Legal Representative:  
JACKSON Jerome D (agent), Law Office of Jerome D. Jackson, Suite 100, 211 N. Union Street, Alexandria, VA 22314, US,  
Patent and Priority Information (Country, Number, Date):  
Patent: WO 200148717 A2-A3 20010705 (WO 0148717)  
Application: WO 2000US42671 20001208 (PCT/WO US0042671)  
Priority Application: US 99472878 19991228  
Designated States:  
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)  
AU CA JP MX NO  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR  
Publication Language: English  
Filing Language: English  
Fulltext Word Count: 8105

Main International Patent Class: G06F-017/60  
Fulltext Availability:  
Claims

#### Claim

... sports such as tennis or golf, and reading topics. . The method of claim I wherein displaying includes displaying the selected one of the plurality of discount quantities. depending on a location of the customer's residence relative to the shelf .

7 The method of claim I wherein displaying includes displaying the selected one of the...

12/3,K/6 (Item 5 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00803948 \*\*Image available\*\*  
METHOD OF AND SYSTEM FOR ENABLING BRAND-IMAGE COMMUNICATION BETWEEN VENDORS AND CONSUMERS

**PROCEDE ET SYSTEME PERMETTANT DE COMMUNIQUER UNE IMAGE DE MARQUE ENTRE DES VENDEURS ET DES CONSOMMATEURS****Patent Applicant/Assignee:**

IPF INC, Soundview Plaza, 1266 East Main Street, Stamford, CT 06902, US,  
US (Residence), US (Nationality), (For all designated states except:  
US)

**Patent Applicant/Inventor:**

PERKOWSKI Thomas J, 10 Waldon Road, Darien, CT 06820, US, US (Residence),  
US (Nationality), (Designated only for: US)

**Legal Representative:**

PERKOWSKI Thomas J (agent), Thomas J. Perkowski, P.C., Soundview Plaza,  
1266 East Main Street, Stamford, CT 06902, US,

**Patent and Priority Information (Country, Number, Date):**

Patent: WO 200137540 A2-A3 20010525 (WO 0137540)

Application: WO 2000US31757 20001117 (PCT/WO US0031757)

Priority Application: US 99441973 19991117; US 99447121 19991122; US  
99465859 19991217; US 2000483105 20000114; US 2000599690 20000622; US  
2000641908 20000818; US 2000695744 20001024

**Parent Application/Grant:**

Related by Continuation to: US 99441973 19991117 (CIP); US 99447121  
19991122 (CIP); US 99465859 19991217 (CIP); US 2000483105 20000114  
(CIP); US 2000599690 20000622 (CIP); US 2000641908 20000818 (CIP); US  
2000695744 20001024 (CIP)

**Designated States:**

(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE  
ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT  
LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM  
TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 116871

Main International Patent Class: G06F-017/60

Fulltext Availability:

Claims

**Claim**

... of Fig. 3A3 is modified to include a bar code symbol reader having a cordless- type scanner interface, thereby eliminating the need for the communication/scanner cable 42 shown in Fig...of a web/e-mail enabled bar code driven CPI kiosks 12 are mounted onto shelf structures 99 by way of a kiosk mounting bracket 13C that can be removably attached to a shelf structure 99 (e.g. using a special tool if required to prevent unauthorized movement) as...where the advertisement itself embodies a Java-Applet, as in the case of most banner- type advertisements, it would be desirable to embed the CPIR-enabling Applet within the HTML-encoded...selected from the user-interface of a barcode driven IPI Website, the second Check Box type button 21B automatically activates the Manufacturer Website Search Mode of the IPI Finding and Serving...as a further part of the kiosk configuration process); (7) registering the manufacturer's Aisle/ Shelf Rights and Privileges on deployed CPI kiosks 513; (8) registering the retailer's (or manufacturer...

...data processing/filtering subsystem 517 integrated with the

...Manager E-Mail; Number of Store Aisles; Number of Floors; Floor Plan Diagrams; Product Category/ Shelf Maps; Available Internet Connectivity; Retailer/Manufacturer Relations; and Date of Last Record Update. This data...

...registered with the system. Preferably, retailers will provide such information during the retailer registration mode indicated in Fig. 19. Such information will be displayable to registered advertisers and promoters after they have generated custom kiosk advertising and promotion directories, as indicated in Figs. 31 through 34B and 39 through 40B, respectively. Preferably, such kiosk advertising and...

...e.g. maps, floor plans and other specifications) of the retail store and aisle and shelf locations at which a particular physical CPI kiosk has been deployed. Such types of information...

...promoters build and execute product advertising and promotional campaigns within a retailer store environment.  
As shown in Fig. 15M, the RDBMS table entitled PHYSICAL KIOSK HTTP SERVER in the illustrative embodiment...

...this information is provided by the array (i.e. farm) of http information servers 519A ( shown in Fig. 13) used to support the network of physical CPI kiosks deployed within the...

...as needed to operate corresponding physical kiosks with the retailer's physical shopping environment.  
As shown in Fig. 15N, the RDBMS table entitled RETAILER S PHYSICAL KIOSK CATALOG in the illustrative...

...by each registered retailer is referred to as a "physical kiosk catalog". Notably, as the number and type of CPI kiosks deployed by a particular retailer will change over time in response to the needs of the retailer, so too will the physical kiosk catalog thereof. As shown in Fig. 15O, the RDBMS table entitled PHYSICAL KIOSK E-MAIL in the illustrative embodiment...consumers requesting consumer product information, as well as merchandise preferences in particular retail stores.  
As shown in Fig. 15P, the RDBMS table entitled PHYSICAL KIOSK USER ACTIVITY in the illustrative embodiment...

...to retailers and manufacturers alike who seek to acquire new and retain current customers.  
As shown in Fig. 15Q, the RDBMS table entitled AD SPOT ORDER--VIRTUAL KIOSK in the illustrative...

...of Advertisement Spot; Time Duration of Ad Spot; Copyright Owner of Advertisement; Ordered Number of Displays /Date; File Format of Advertisement; Virtual Kiosk Ad Spot ID No.; Actual Number of Displays /Date; Actual Number of Interruptions; Ad Spot Cost; Date of Ad Payment; and Date of...

...virtual kiosk deployed within the system. Such  
Page 245  
associated with the virtual kiosk.  
As shown in Fig. 15R, the RDBMS table entitled AD SPOT ORDER--PHYSICAL KIOSK in the illustrative...

...of Advertisement Spot; Time Duration of Ad Spot; Copyright Owner of Advertisement; Ordered Number of Displays /Date; File Format of Advertisement; Physical Kiosk Ad Spot ID No.; Actual number of Displays /Date; Actual Number of Interruptions; Ad Spot Cost; Date of Ad Payment; and Date of...

...physical kiosk deployed within the system. Such information is collected during advertisement campaign building operations indicated in Fig.

29 Such advertisement (ad) spots are eventually placed in the advertisement/promotion spot...

12/3,K/7 (Item 6 from file: 349)  
DIALOG(R) File 349:PCT FULLTEXT  
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00803678 \*\*Image available\*\*

LOW INFORMATION CONTENT DISPLAY

AFFICHAGE PRESENTANT UNE QUANTITE D'INFORMATION REDUITE

Patent Applicant/Assignee:

AVERY DENNISON CORPORATION, 150 North Orange Grove Blvd., Pasadena, CA 91103, US, US (Residence), US (Nationality), (For all designated states except: US)

Patent Applicant/Inventor:

STEINBERG Robert B, 2959 Morley Road, Shaker Heights, OH 44122, US, US (Residence), US (Nationality), (Designated only for: US)

IYER Pradeep S, 3111 Cabo Blanco Drive, Hacienda Heights, CA 91745, US, US (Residence), US (Nationality), (Designated only for: US)

Legal Representative:

PLATT Jonathan A (et al) (agent), Renner, Otto, Boisselle & Sklar, LLP, 1621 Euclid Avenue, Nineteenth Floor, Cleveland, OH 44115, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200137244 A2-A3 20010525 (WO 0137244)

Application: WO 2000US31903 20001120 (PCT/WO US0031903)

Priority Application: US 99166482 19991119

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE  
ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT  
LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM  
TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 6023

...International Patent Class: G06F-017/60

Fulltext Availability:

Detailed Description

Detailed Description

... in retail settings.

BACKGROUND OF THE INVENTION

A merchandising store, such as a grocery supermarket, displays goods

for sale on shelves with a label or sign conveying information regarding the type of goods, manufacturer, package quantity, price, and/or per-unit-cost.

Some of this information rarely changes, such as the...

12/3,K/8 (Item 7 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00803618 \*\*Image available\*\*

ELECTRONIC BOOK HAVING ELECTRONIC COMMERCE FEATURES

LIVRE ELECTRONIQUE COMPRENANT DES CARACTERISTIQUES DE COMMERCE ELECTRONIQUE

Patent Applicant/Assignee:

DISCOVERY COMMUNICATIONS INC, 7700 Wisconsin Avenue, Bethesda, MD  
20814-3522, US, US (Residence), US (Nationality)

Inventor(s):

HENDRICKS John H, 8723 Persimmon Tree Road, Potomac, MD 20854, US,  
ASMUSSEN Michael L, 2627 Meadow Hall Drive, Oak Hill, VA 20171, US,  
MCCOSKEY John S, 4692 N. Lariat Drive, Castle Rock, CO 80104, US,

Legal Representative:

HARROP John K (et al) (agent), Dorsey & Whitney LLP, Suite 300 South,  
1001 Pennsylvania Avenue N.W., Washington, DC 20004, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200137181 A2 20010525 (WO 0137181)

Application: WO 2000US31740 20001117 (PCT/WO US0031740)

Priority Application: US 99441892 19991117

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE  
ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT  
LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM  
TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 39919

Main International Patent Class: G06F-017/60

Fulltext Availability:

Claims

Claim

... N 0

S

Fig. 10

/68

VIEWER 740

744

Libra[y Connection controls

LCD

Electronic DISPLAY 602

Card Memory

748

Instruction Book

CD ROM Memory Memory

Unit 732D 728  
752  
Microprocessor...

...File For The Open File For Available  
Number In Book Specific Book Just FBooks And Display Data  
Requested By The  
Viewer  
Close All Files And S808  
Shut Down Power 816  
S820...

...Of  
Text From  
Storage  
S832  
Decrypt And Decompress  
The Data And Send To The  
Video Display Memory  
Figs 12  
/68 858  
851 SUB-MENUS  
Account Instructions  
Set-Up 30 And Account...

...Suggestion  
Entries Submenu #1 Submenu #2  
a55 856 857  
INTRODUCTORY Books In  
MENU Your Library Shelf #1 Shelf #2  
850  
872 874 876  
Books You Shelf #1 Shelf #2  
MAIN Can Order  
878 880 882  
MENU  
854 Your Current  
Sub-Menu Title  
Book...

...30 895  
Account Orders and  
Information Balance  
896 897  
Outgoing Input Screen  
Messages  
898 899  
Show Links Link Menu  
970 971  
Create Link  
Links 980 Options 981  
Figs 13 Show Interactive  
Interactive )O File  
Files 990 Menu 982  
/68  
Fig. Ma  
r850  
INTRODUCTION  
Please ...F-51  
CURRENT BOOKMARK PAGE TURN  
BOOK



/68  
 Fig\* 14c  
 872  
 BOOKS IN YOUR LIBRARY SHELF  
 1 OF2  
 click an item you would We to sekod  
 THE THE  
 WHITE SHARK HOTZONE...

...by Pope Danielle Steele  
 Jctw@patil 11  
 Rernarviv wxacy capacrty:  
 Go to featwes menu for shelf soming options  
 F<--] F-51  
 CURRENT BOOKMARK PAGETURN  
 BOOK  
 U  
 /68  
 Fig\* I'M  
 4878...

12/3,K/9 (Item 8 from file: 349)  
 DIALOG(R)File 349:PCT FULLTEXT  
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00783250 \*\*Image available\*\*  
 METHODS AND APPARATUS FOR CATALOG DATA CAPTURE, STORAGE, AND DISTRIBUTION  
 PROCEDE ET APPAREIL PERMETTANT LE STOCKAGE ET LA DISTRIBUTION DE SAISIES DE  
 DONNEES DE CATALOGUE

Patent Applicant/Assignee:

CNET EUROPE S A, Rio Gredon 14, CH-1806 Saint-Legier, CH, CH (Residence),  
 CH (Nationality), (For all designated states except: US)

Patent Applicant/Inventor:

DE HEER Albert Henricus Franciscus, Chemin Chenalettaz 41, CH-1807 Blonay  
 , CH, CH (Residence), CH (Nationality), (Designated only for: US)

DE HEER Rudolf Cornelius Wilhelmus, La Bruviere, CH-1086 Vucherens, CH,  
 CH (Residence), CH (Nationality), (Designated only for: US)

ZABRODINE Constantin Nickolayvich, Avenue Ernst-Bieler 11, CH-1800 Vevey,  
 CH, CH (Residence), RU (Nationality), (Designated only for: US)

KVIATKEVITCH Alexandre Igorevitch, Chemin Baillaz, CH-1806 St. Legier, CH  
 , CH (Residence), RU (Nationality), (Designated only for: US)

BLAETTLER Eric Oscar, Chemin de Boston 13, CH-1004 Lausanne, CH, CH  
 (Residence), CH (Nationality), (Designated only for: US)

Legal Representative:

ZIMMERMANN Tankred (agent), Schoppe, Zimmermann & Stockeler, Postfach 71  
 08 67, 81458 Munchen, DE,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200116796 A2-A3 20010308 (WO 0116796)

Application: WO 2000IB1329 20000830 (PCT/WO IB0001329)

Priority Application: US 99152510 19990902; US 2000625913 20000726; US  
 2000626090 20000726; US 2000626347 20000726; US 2000625745 20000726

Designated States:

(Protection type is "patent" unless otherwise stated - for applications  
 prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE  
 ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT  
 LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM  
 TR TT TZ UA UG US UZ VN YU ZA ZW  
 (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE  
 (OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM  
Publication Language: English  
Filing Language: English  
Fulltext Word Count: 19663

International Patent Class: G06F-017/60  
Fulltext Availability:  
Detailed Description

## Detailed Description

... the categories desktop 504, laptop 506, handheld 508, CPU Upgrade 510, mainboard 512, cabinet 514, UPS & Power 516, battery 518, docking & connectivity 520, portable accessory 522, and service & support...

...in the art will readily recognize that these categories are merely exemplary, and a different number or type of categories may be used to further define each class.

Each category of the data model may...

12/3,K/10 (Item 9 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00762436 \*\*Image available\*\*  
ELECTRONIC BOOK SELECTION AND DELIVERY SYSTEM WITH TARGETED ADVERTISING  
SYSTEME DE SELECTION ET DE LIVRAISON DE LIVRE CONTENANT DE LA PUBLICITE  
CIBLEE

## Patent Applicant/Assignee:

DISCOVERY COMMUNICATIONS INC, 7700 Wisconsin Avenue, Bethesda, MD  
20814-3522, US, US (Residence), US (Nationality)

## Inventor(s):

HENDRICKS John S, 8273 Persimmon Tree Road, Potomac, MD 20854, US,  
ASMUSSEN Michael L, 26276 Meadow Hall Drive, Oak Hill, VA 20171, US,

## Legal Representative:

HARROP John K (et al) (agent), Dorsey & Whitney LLP, 1001 Pennsylvania  
Avenue, N.W., Suite 300 South, Washington, DC 20004, US,

## Patent and Priority Information (Country, Number, Date):

Patent: WO 200075845 A2 20001214 (WO 0075845)  
Application: WO 2000US15810 20000609 (PCT/WO US0015810)  
Priority Application: US 99328672 19990609

## Designated States:

(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004)

AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM EE ES FI GB  
GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA  
MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA  
UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 38156

Main International Patent Class: G06F-017/60  
Fulltext Availability:  
Claims

## Claim

... 269

Oa

VIEWER 740

744 Keyboard

Libra[y Connection F'C3`ntrols

LCD 265

Electronic DISPLAY

Card Memory 602

748

Instru tion Book

CD ROM Memory Memory

Unit .00w M 728...

...Available

Number In Electronic Book Specific Electronic Book Just Electronic Books  
And

840 Requested By Display Data

The Viewer

Close All Files And 808

Shut Down Power a44 1

820

e...

...Of

Text From

Storage

824

Decrypt And Decompress

The Data And Send To The

Video Display Memory

(Log Viewing Of Event

Of Any Ad)

Fig\* 12

/43

858

851

SUB-MENUS...

...Free Preview #1 Preview #2

Previews

866 868 870

INTRODUCTORY Books In

MENU Your Library Shelf #1 30 Shelf #2

874 876

Books You Shelf #1 Shelf #2

MAIN Can Order 30

MENU M M 882

854 Your Current

Book Sub-Menu...

...by Pope Danielle Steele

John-Patil If

RemainirV library capacAr.

Go to feakires menu for shelf sortM optoons

F&lt;-----1 F@51

CURRENT BOOKIVIMK PAGETURN

BOOK

/43

Fig\*

14d

@@878  
OKS...

12/3,K/11 (Item 10 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00762428 \*\*Image available\*\*  
BUILDING CONSTRUCTION BID AND CONTRACT MANAGEMENT SYSTEM, INTERNET-BASED  
METHOD AND COMPUTER PROGRAM THEREFOR  
SYSTEME D'APPEL D'OFFRES ET DE GESTION DE CONTRATS DANS LE DOMAINE DE LA  
CONSTRUCTION, PROCEDE BASE SUR INTERNET ET PROGRAMME INFORMATIQUE  
ASSOCIE

## Patent Applicant/Inventor:

CROOKSHANKS Rex J, 1901 Paseo del Sol, Palos Verdes Estates, CA 90274, US  
, US (Residence), US (Nationality)

## Legal Representative:

DULIN Jacques M (agent), Innovation Law Group, Ltd., Suite 101, 851  
Fremont Avenue, Los Altos, CA 94024-5602, US,

## Patent and Priority Information (Country, Number, Date):

Patent: WO 200075837 A2 20001214 (WO 0075837)

Application: WO 2000US15481 20000605 (PCT/WO US0015481)

Priority Application: US 99137576 19990604; US 99163702 19991105; US  
2000174989 20000107; US 2000197907 20000413

## Designated States:

(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004)

AU BG BR BY CA CN CZ CZ (utility model) EE EE (utility model) GE HR HU ID  
IL IN JP KG KP KR KR (utility model) KZ LT LV MD MK MX NO NZ PL RO RU SG  
SI SK SK (utility model) TJ TM TR UA US UZ VN YU ZA

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

Publication Language: English

Filing Language: English

Fulltext Word Count: 22042

Main International Patent Class: G06F-017/60

Fulltext Availability:

Detailed Description

## Detailed Description

... Landscape / site lighting & elec.

015 PLUMBING

42

EXHIBIT A - LIST OF SUBCONTRACTS

Refe ence Subcontract Category Subcategory

Number Number

80 015-01 Temp water supply

81 015-02 All rough supply lines

82 015...

...street

94 015-05 Connect supply to city service

85 015-06 Steam system in shower

86 015-07 Set tubs (with frames?)

87 015-08 Run gas lines

88 015...

...metal

116 020-11 Rain gutters

117 020-12 Caulking and sealing  
 118 020-13 Cabinets  
 119 020-14 Spiral staircase  
 021 INTERIOR FINISH CARPENTRY  
 120 021-01 Baseboards  
 121 021-02 Door and window casings  
 43.  
 EXHIBIT A - LIST OF SUBCONTRACTS  
 Reference Subcontract Category / Subcategory  
 Number Number  
 122 021-03 Crown moldings  
 123 021-04 Chair rails  
 124 021-05 Architectural details...  
 ...130 021-11 Weather stripping  
 131 021-12 Screens and screen doors  
 132 021-13 Shelves in garage  
 022 CABINETS  
 133 022-01 Kitchen cabinets (custom? Lazy Susans etc.)  
 134 022-02 Bathroom cabinets / linen  
 135 022-03 Laundry room cabinets  
 136 022-04 Custom built-ins  
 137 022-05 Storage in garage  
 023 FLOORING  
 138...  
 ...GRANITE STONE  
 142 024-01 Tile countertops  
 143 024-02 Granite countertops  
 144 024-03 Showers & tubs  
 145 024-04 Decks  
 146 024-05 Exterior tile/stone  
 025 GLAZING  
 147 025-01 Bathroom mirrors  
 148 025-02 Wardrobe door/mirrors  
 149 025-03 Tub and shower enclosures  
 026 DECKS  
 150 026-01 Deck finishes  
 027 ARCHITECTURAL DETAILS  
 151 027-01...

...159 031-01 Concrete flatwork & stairs

44

#### EXHIBIT A - LIST OF SUBCONTRACTS

Reference Subcontract Category / Subcategory

Number Number

160 031-02 Driveway  
 161 031-03 Finish grading  
 162 031-04 Masonry hardscapes  
 032...other items required to complete such portion of the Work, except  
 to the extent specifically indicated in the Subcontract Documents to be  
 the responsibility of others.

8.2 Scope Of The...

12/3, R/12 (Item 11 from file: 349)  
 DIALOG(R) File 349:PCT FULLTEXT  
 (c) 2005 WIPO/Univentio. All rts. reserv.

00748804 \*\*Image available\*\*

JMB

Date: 24-May-05

**ELECTRONIC BOOK ALTERNATIVE DELIVERY METHODS****PROCEDES DE DISTRIBUTION DE REMPLACEMENT POUR LIVRES ELECTRONIQUES****Patent Applicant/Assignee:**

DISCOVERY COMMUNICATIONS INC, 7700 Wisconsin Avenue, Bethesda, MD  
20814-3522, US, US (Residence), US (Nationality)

**Inventor(s):**

HENDRICKS John S, 8723 Persimmon Tree Road, Potomac, MD 20854, US  
ASMUSSEN Michael L, 2627 Meadow Hall Drive, Herndon, VA 20171, US  
MCCOSKEY John S, 4692 N. Lariat Drive, Castle Rock, CO 80104, US

**Legal Representative:**

HARROP John K, Dorsey & Whitney LLP, Suite 300 South, 1001 Pennsylvania  
Avenue, N.W., Washington, DC 20004, US

**Patent and Priority Information (Country, Number, Date):**

Patent: WO 200062229 A2 20001019 (WO 0062229)  
Application: WO 2000US9542 20000411 (PCT/WO US0009542)  
Priority Application: US 99289956 19990413

**Designated States:**

(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004)

AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM EE ES FI GB  
GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA  
MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA  
UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 33395

Main International Patent Class: G06F-017/60

Fulltext Availability:

Claims

**Claim**

... N 0

Fig. 10

/53

VIEWER 740

744

Libra[y Connection Controls 00f

LCD

Electronic DISPLAY 602

Card Memory

748

Instruction Book

CD ROM Memory Memory

Unit o0w 732 728

752...

...Page Open The File For The Open File For Available

Number In Book Books And Display Data

Specific Book Just

Requested By The

Viewer

Close All Files And S808

Shut Down...

...Of

Text From

JMB

Date: 24-May-05

Storage  
S832  
Decrypt And Decompress  
The Data And Send To The  
Video Display Memory  
Fig. 12  
/53 858  
SUB-MENUS  
851  
Account Instructions  
Set-Up > And Account  
862...

...Suggestion Suggestion  
Entries Submenu #1 Submenu #2  
855 857  
INTRODUCTORY Books In  
MENU Your Library Shelf #1  
850 872 874  
Books You Shelf #1 Shelf #2  
MAIN Can Order  
MENU 878 880 0 882  
854 Your Current Sub-Menu Title...

...893 894  
Account Orders and  
Information Balance  
B27  
Outgoing Input Screen  
Messages  
898 a9  
9  
Show Links Link Menu  
910- 971  
Create Link  
Links 980 Options  
Fig 13 981  
Show Interactive  
Interactive )O File  
Files Menu 982  
/53  
Fig. Ma  
r 850  
INTRODUCTION  
Please Choose...

...1 FE  
CURRENT BOOKMARK PAGE TURN  
/53  
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Fig. 14c  
872  
BOOKS IN YOUR LIBRARY SHELF  
1 OF2  
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WHITE SHARK HOTZONE...

12/3,K/13 (Item 12 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT

JMB

Date: 24-May-05

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00748803     \*\*Image available\*\*

**ELECTRONIC BOOK ALTERNATIVE DELIVERY SYSTEMS**

**PROCEDES DE DISTRIBUTION DE REMPLACEMENT POUR LIVRES ELECTRONIQUES**

Patent Applicant/Assignee:

DISCOVERY COMMUNICATIONS INC, 7700 Wisconsin Avenue, Bethesda, MD  
20814-3522, US, US (Residence), US (Nationality)

Inventor(s):

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ASMUSSEN Michael L, 2627 Meadow Hall Drive, Herndon, VA 20171, US  
MCCOSKEY John S, 4692 N. Lariat Drive, Castle Rock, CO 80104, US

Legal Representative:

HARROP John K, Dorsey & Whitney LLP, Suite 300 South, 1001 Pennsylvania  
Avenue, N.W., Washington, DC 20004, US

Patent and Priority Information (Country, Number, Date):

Patent: WO 200062228 A2 20001019 (WO 0062228)

Application: WO 2000US9541 20000411 (PCT/WO US0009541)

Priority Application: US 99289957 19990413

Designated States:

(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004)

AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM EE ES FI GB  
GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA  
MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA  
UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 36583

Main International Patent Class: G06F-017/60

Fulltext Availability:

Claims

Claim

... 0

Fig. 10

/53

VIEWER 740

744

Libra[y Connection I Controls of

LCD

Electronic DISPLAY 602

Card Memory 748

Instruction Book

CD ROM Memory Memory

Unit /Ir 732 728

752...

...File For The Open File For Available

0 s

Number In Book F@Bok And Display Data

Specific Book Just

Requested By The

Viewer

Close All Files And S808

Shut Down...



...Of  
 Text From  
 Storage  
 S832  
 Decrypt And Decompress  
 The Data And Send To The  
 Video Display Memory  
 vig. 12  
 PCT/tJS00/09541  
 15/53  
 858  
 851 Su  
 nt  
 set-up nstructions...

...TORY Submenu #1 Su  
 MENU ooks: In @71  
 Your Library elf #1 elf  
 MAIN CZdoeur Shelf #i  
 MENU 2,78  
 ur Current  
 0(  
 0  
 8 )k ub-Menu  
 ELP  
 7 S...  
 ...51  
 CURRENT BOOKMARK PAGE TURN  
 BOOK  
 /53  
 0  
 Fig. 14c  
 872  
 BOOKS IN YOUR LIBRARY **SHELF**  
 1 OF2  
 click an own you vould Mm to select  
 THE THE  
 WHITE SHARK HOTZONE...

12/3,X/14 (Item 13 from file: 349)  
 DIALOG(R) File 349:PCT FULLTEXT  
 (c) 2005 WIPO/Univentio. All rts. reserv.

00748798 \*\*Image available\*\*  
 COLLABORATIVE CREATION, EDITING, REVIEWING, AND SIGNING OF ELECTRONIC  
 DOCUMENTS  
 CREATION, EDITION, VERIFICATION ET SIGNATURE COLLECTIVES DE DOCUMENTS  
 ELECTRONIQUES

Patent Applicant/Assignee:

ILUMIN CORPORATION, Suite 3000, Building D, 1506 N. Technology Way, Orem,  
 UT 84097, US, US (Residence), US (Nationality)

Inventor(s):

BROWN Bruce E, 1684 North Sage Hen Road, Orem, UT 84097, US  
 ISRAELSEN D Brent, 1426 North Grand View, Provo, UT 84604, US

Legal Representative:

RAUBVOGEL Amir H, Fenwick & West LLP, Two Palo Alto Square, Palo Alto, CA  
 94306, US

Patent and Priority Information (Country, Number, Date):

Patent: WO 200062220 A1 20001019 (WO 0062220)

JMB

Date: 24-May-05

Application: WO 2000US10066 20000413 (PCT/WO US0010066)  
Priority Application: US 99129283 19990413; US 99129011 19990413; US  
99335443 19990617; US 2000546805 20000411

## Designated States:

(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004)

AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH  
GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN  
MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA  
ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 27799

Main International Patent Class: G06F-017/60

Fulltext Availability:

Claims

## Claim

... document.

[@@1203

1200

FIGs 12

SUBSTITUTE SHEET (RULE26)

/37

tart

Assign document a Digital Object Identifier

1302

Verify digital signature

1303

Check for certificate revocation list

1304

Check completeness and accuracy...

...as applicable

1307

Human review. if applicable

1308

Obtain new ID number for applicant

1309

Indicate acceptance of document

1310

Store document in E- Cabinet

1311

Display document as appropriate, with privacy protection

1312

1 FIGn 13

SUBSTITUTE SHEET (RULE26)

Client Originates...with Rejection

1912

Return Notice es Archive Digital

of Recording Record Deed Deed in E- Cabinet

1914 1913 1915

Update database Send Deed

1916 to Assessor

1917

Print De Print Dee...

...WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category o Citation of document, with indication , where appropriate, of the relevant passages Relevant to claim No.

X WO 98 34167 A...

...00/10066

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category 0. Citation of document, with indication ,where appropriate, of the relevant passages Relevant to claim No.

X EP 0 387 462...

12/3,K/15 (Item 14 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00743968 \*\*Image available\*\*

POSTHUMOUS COMMUNICATION

COMMUNICATION POSTHUMB

Patent Applicant/Assignee:

FINAL THOUGHTS COM INC, 8265 Sunset Boulevard, Suite 107, West Hollywood, CA 90046, US, US (Residence), US (Nationality), (For all designated states except: US)

Patent Applicant/Inventor:

KRIM Todd M, 2028 N. Beachwood Drive #203, Hollywood, CA 90068, US, US (Residence), US (Nationality), (Designated only for: US)

Legal Representative:

BOUNDY David, Shearman Sterling, 599 Lexington Avenue, New York, NY 10022, US

Patent and Priority Information (Country, Number, Date):

Patent: WO 200057338 A1 20000928 (WO 0057338)

Application: WO 2000US8295 20000324 (PCT/WO US0008295)

Priority Application: US 99126082 19990325; US 99131396 19990428; US 99138128 19990608

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

CA JP US

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

Publication Language: English

Filing Language: English

Fulltext Word Count: 6008

Main International Patent Class: G06F-017/60

Fulltext Availability:

Claims

Claim

... FT Pet Lover's Organizer

Location of Pet's Name and

Veterinary Info Documents Telephone Number

Your Pets Type of (Name, Phone #, Other Medical (insurance policy, of Person You Want

Name Pet Information to...

...to Mr.

Whiskers Cat (234) 234-2345 Neutered Whiskers are in my My Mom file cabinet in the

'Pets' folder.  
Golden Dr. Dolittle Has been All of Rusty's  
Ru& Retriever...

...death, funeral, grief, insurance

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category\* Citation of document, with indication , where appropriate, of  
the relevant passages Relevant to claim No. X US 51651 @ 1 17...

12/3,K/16 (Item 15 from file: 349)  
DIALOG(R) File 349:PCT FULLTEXT  
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00365230 \*\*Image available\*\*

ELECTRONIC PRODUCT INFORMATION DISPLAY SYSTEM

SYSTEME D'AFFICHAGE ELECTRONIQUE D'INFORMATIONS RELATIVES A DES PRODUITS

Patent Applicant/Assignee:

INTELLEDGE CORPORATION,  
FALLS S Douglas,  
DALE Ernest J,  
MATHESON Rod III,  
McPHILLIPS A Scott,

Inventor(s):

FALLS S Douglas,  
DALE Ernest J,  
MATHESON Rod III,  
McPHILLIPS A Scott,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9705556 A1 19970213

Application: WO 96US12575 19960731 (PCT/WO US9612575)

Priority Application: US 951673 19950731

Designated States:

(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004)

AU CA CN JP KR MX US AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE

Publication Language: English

Fulltext Word Count: 24199

Main International Patent Class: G06F-017/60

Fulltext Availability:

Detailed Description

Detailed Description

... the barcode

number. When the process receives the barcode a  
request accepted message will be displayed on the HHT  
54. If the barcode is not available or unreadable the  
user must...

...will then be

prompted to enter in the following fields: AISLE,

AISLE SIDE, BAY, and SHELF . After the information is  
received a request accepted message will be displayed  
on the handheld 54. A record will be created and  
added to the Label File...

12/3,K/17 (Item 16 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00297382 \*\*Image available\*\*

COMPUTER SYSTEM FOR ALLOWING A CONSUMER TO PURCHASE PACKAGED GOODS AT HOME  
SYSTEME INFORMATISE PERMETTANT A UN CONSOMMATEUR D'ACHETER DEPUIS SON  
DOMICILE DES MARCHANDISES EMBALLEES

Patent Applicant/Assignee:

BURKE Raymond R,

Inventor(s):

BURKE Raymond R,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9515533 A1 19950608

Application: WO 94US13820 19941130 (PCT/WO US9413820)

Priority Application: US 93159335 19931130

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AM AT AU BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GE HU JP KE KG KP KR  
KZ LK LR LT LU LV MD MG MN MW NL NO NZ PL PT RO RU SD SE SI SK TJ TT UA  
US UZ VN XE MW SD SZ AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE BF  
BJ CF CG CI CM GA GN ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 7763

Main International Patent Class: G06F-017/60

Fulltext Availability:

Detailed Description

Detailed Description

... typical displayed product category is shown  
in Figs. 7, 15 and 16. The displayed product category  
includes a number of items of each product 200, a price 202  
for each product, a backboard 204, a base 206 and shelves  
208. The displayed product category appears to be very  
similar to what a consumer would actually view in a real  
store, such as shown in Fig. 14.

The system may also be arranged to display certain  
screens rather than...

12/3,X/18 (Item 1 from file: 324)

DIALOG(R)File 324:German Patents Fulltext

(c) 2005 Univentio. All rts. reserv.

0003352246 \*\*Image available\*\*

Rechnergestutztes arbeitendes Ausleihsystem

Patent Applicant/Assignee:

ALBERS REINHARD, DE

Patent and Priority Information (Country, Number, Date):

Patent: DE 29711913 U1 19970911

Application: DE 29711913 19970707

Priority Application: DE 29711913 U 19970707 (DE 29711913)

Publication Language: German

Fulltext Word Count (English): 12116

Fulltext Word Count (German) : 9736

Fulltext Word Count (Both) : 21852

...International Patent Class: G06F-017/60

Fulltext Availability:

## Claims (English machine translation)

## Claims (English machine translation)

- ... the first collection device for the automated collection of the information content of the article- identification means for an automated transmission to the intended system computer is on the one hand ...
- ...respective place seize can. On the other hand by this first collection device for article- identification means is reached above all in addition, that the supply places of a lending system...
- ...the system computer it becomes like already during the collection of the article-of the identification means, reaches that also the collection of the person, who wants a made available article...
- ...collection device, automatically on the first collection device accesses belonging to this place and article- identification data from the identification means for allocation to the Persoen, in it- identification data, e.g. for a lending time registration, e.g. for a lending cost calculation...
- ...need fluctuations, which can be reproached, e.g. by appropriate analysis programs, e.g. statistic kind, and thus if necessary the number of devices which can be held ready be adapted, thus, e.g. from a reserve...
- ...renewed lending it, by the persons for, must having these persons access to respective article- identification means like also entrance to that in each case first collection devices at the supply places...
- ...then the intended system computer can seize and on call e.g. at the communication terminal indicate the renewed supply immediately to the check-out counter. Preferably for such articles not special...
- ...with these, if at all to waiting articles preferably inseparably to it it fastens the identification means e.g. by means of a chain, whereby the respective identification means should be to the protection against damages preferably in a safety device, e.g. ...
- ...to its small size, should to be made more difficult or made impossible, then the identification means could be accommodated separate, however also from the respective article together with it preferably...
- ...a sleeve for this article, whereby it would be likewise protected from damages then. The identification means would have to be carried forward by these reversals when fetching such articles from...
- ...out counter waited article which can be waited free. If necessary when inadvertent leaving this identification means in the first collection device, separated from the associated article, after the withdrawal of...
- ...taking along. In contrast for this those of article are preferably not firmly connected to identification means of the articles, which must be first waited before each supply to the check...
- ...removable at them R. Albers/Ausleihsystem/Gbm; attached. Thus these means for the collection of identification data stored in them can be decreased with making available to check-out counters by...
- ...least in this until the associated article is lent. Then its lending availability can be indicated up to the lending time at any time on

Set	Items	Description
S1	2754897	NUMBER OR NUMERIC OR AMOUNT OR QUANTITY
S2	2365038	VARIET? OR TYPE? OR KIND? ? OR SORT OR SORTS OR CATEGOR?
S3	4891325	DISPLAY? OR SHOW? OR IDENTIF? OR INDICAT?
S4	131334	CABINET? OR SHELF OR SHELVES OR DRAWER? OR DISPENSAR?
S5	210814	S1(S)S2
S6	30215	S5(S)S3
S7	202	S6(S)S4
S8	14	S7 AND IC=G06F-017/60
S9	52181	S5 AND S3
S10	473	S9 AND S4
S11	21	S10 AND IC=G06F-017/60
S12	8	S11 NOT PY>2001

? show files

File 344:Chinese Patents Abs Aug 1985-2005/May  
(c) 2005 European Patent Office

File 347:JAPIO Nov 1976-2005/Jan(Updated 050506)  
(c) 2005 JPO & JAPIO

File 350:Derwent WPIX 1963-2005/UD,UM &UP=200532  
(c) 2005 Thomson Derwent

File 371:French Patents 1961-2002/BOPI 200209  
(c) 2002 INPI. All rts. reserv.

12/5/1 (Item 1 from file: 347)  
DIALOG(R)File 347:JAPIO  
(c) 2005 JPO & JAPIO. All rts. reserv.

07019579 \*\*Image available\*\*

ARTICLE INFORMATION PROCESSOR AND ARTICLE INFORMATION PROCESSING METHOD

PUB. NO.: 2001-247210 [JP 2001247210 A]  
PUBLISHED: September 11, 2001 (20010911)  
INVENTOR(s): SHIMIZU RYOICHI  
SAWADA TAKU  
APPLICANT(s): SONY CORP  
APPL. NO.: 2000-061074 [JP 2000061074]  
FILED: March 06, 2000 (20000306)  
INTL CLASS: B65G-001/137; G06F-003/00; G06F-017/60

ABSTRACT

PROBLEM TO BE SOLVED: To provide an article information processor to facilitate rearrangement of articles and to easily correspond to renewal of an arranging position and an article information processing method.

SOLUTION: It is possible to read and confirm an original arranging position only at the working site side and to facilitate restoring rearrangement of an article Mati to its original arranging position by reading arrangement information (shelf number irk, category icatg, floor location ifl, display order iod) from an article side information tag TFMi attached to the article Mati by an article information processor IPi at the time of rearrangement after moving the article Mati displayed on a shelf RKi from its arranging position and speedily and certainly give the read out arrangement information in display, printing or voice by a built-in information means.

COPYRIGHT: (C)2001,JPO

12/5/2 (Item 2 from file: 347)  
DIALOG(R)File 347:JAPIO  
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06154683 \*\*Image available\*\*

WORK SUPPORTING SYSTEM, WORK CARRYING DEVICE AND RECORDING MEDIUM STORING OPERATION PROGRAM OF COMMUNICATION EQUIPMENT

PUB. NO.: 11-096226 [JP 11096226 A]  
PUBLISHED: April 09, 1999 (19990409)  
INVENTOR(s): MATSUURA YASUSHI  
MORIO HIROMOTO  
NAITO YUTAKA  
NAKAMURA TETSUYA  
APPLICANT(s): MAZDA MOTOR CORP  
APPL. NO.: 09-252406 [JP 97252406]  
FILED: September 17, 1997 (19970917)  
INTL CLASS: G06F-017/60 ; B23P-021/00; B23Q-041/02; B65G-001/137

ABSTRACT

PROBLEM TO BE SOLVED: To provide a work supporting system, a work carrying device and a recording medium for storing the operation program of a



communication equipment, by which the information communicating quantity of a communication line is made to be min. with the superior workability of a worker.

SOLUTION: Request information of parts to be loaded on a pallet truck 5 by the worker is down-loaded from a computer which is not shown in a figure to a handy terminal equipment 24 and set to an optical communication coupler 25. Then, the number of one-kind parts to be taken-out from a parts shelf 11 by the worker and its quantity are displayed in a display equipment 27 and also a position to be contain the taken-out parts is displayed in a parts containing part 4 by a lamp 9. When the worker ends work concerning the applicable parts, he operates a depression button switch 26. The handy terminal equipment 24 measures the required time of work by the operation interval of the switch.

COPYRIGHT: (C)1999,JPO

12/5/3 (Item 3 from file: 347)  
DIALOG(R)File 347:JAPIO  
(c) 2005 JPO & JAPIO. All rts. reserv.

05163702 \*\*Image available\*\*  
MEDICINE PACKAGING APPARATUS

PUB. NO.: 08-119202 [JP 8119202 A]  
PUBLISHED: May 14, 1996 (19960514)  
INVENTOR(s): YUYAMA SHOJI  
MURAKAMI TAKAAKI  
KANO KUNIIHIKO  
APPLICANT(s): YUYAMA SEISAKUSHO KK [000000] (A Japanese Company or Corporation), JP (Japan)  
APPL. NO.: 06-256542 [JP 94256542]  
FILED: October 21, 1994 (19941021)  
INTL CLASS: [6] B65B-001/30; B65B-001/06; G06F-017/60  
JAPIO CLASS: 31.1 (PACKAGING -- General); 45.4 (INFORMATION PROCESSING -- Computer Applications)  
JAPIO KEYWORD: R012 (OPTICAL FIBERS); R107 (INFORMATION PROCESSING -- OCR & OMR Optical Readers)

#### ABSTRACT

PURPOSE: To downsize a medicine packaging apparatus for easy inspection, storage, attachment or the like of a medicine container wherein only a necessary medicine container can be taken out of a shelf and attached to a medicine supplying means.

CONSTITUTION: A medicine storage shelf 1 for storing numerous medicine containers 11 containing medicine and a relatively small number of medicine supplying means 34 for supplying only a prescribed amount of medicine with the container 11 attached are provided. Storage sites of various kinds of medicine on the storage shelf 1 and attaching sites on the means 34 are stored respectively in a storage site memory means 63 and an attaching site memory means 64. If the medicine container 11 corresponding to a prescription is not at the attaching site, its storage site is examined on the storage shelf 1 and displayed. At a time point when the container 1 taken out from the shelf 1 is attached to the supplying means 34, an identifying means 16 provided on the container 11 is read by a reading means, and its attaching site is stored in the

attaching site memory means 64.

12/5/4 (Item 1 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2005 Thomson Derwent. All rts. reserv.

014271490 \*\*Image available\*\*  
WPI Acc No: 2002-092192/200213  
XRPX Acc No: N02-067935

Information network system such as LAN for organizations such as hospital, has disc type recording unit coupled to local server installed at each group so that information is recorded on disc from server or terminal

Patent Assignee: ITOKI CREBIO CORP (ITOK-N)  
Number of Countries: 001 Number of Patents: 001  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2001125811	A	20010511	JP 99304914	A	19991027	200213 B

Priority Applications (No Type Date): JP 99304914 A 19991027

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 2001125811	A	11	G06F-012/00	

Abstract (Basic): JP 2001125811 A

NOVELTY - Several terminal equipment (PC) group are connected through a LAN. A server (LS) is connected to each group on the LAN. A disc drive unit (11) moves a disc stored in a shelf and a disc type recording unit connected to each local server so that an information from a server or from a terminal equipment is recorded on the disc.

USE - For e.g. LAN for organizations such as enterprise, government office, hospital, university.

ADVANTAGE - Reduces cost by storing large quantity of data to disc type recording unit.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of information network system. (Drawing includes non-English language text).

Disc drive unit (11)

Server(PC) Terminal equipment (LS)

pp; 11 DwgNo 1/16

Title Terms: INFORMATION; NETWORK; SYSTEM; LAN; HOSPITAL; DISC; TYPE; RECORD; UNIT; COUPLE; LOCAL; SERVE; INSTALLATION; GROUP; SO; INFORMATION; RECORD; DISC; SERVE; TERMINAL

Derwent Class: T01

International Patent Class (Main): G06F-012/00

International Patent Class (Additional): G06F-003/06; G06F-017/60 ; G06F-019/00; H04L-012/28

File Segment: EPI

12/5/5 (Item 2 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2005 Thomson Derwent. All rts. reserv.

014239222 \*\*Image available\*\*  
WPI Acc No: 2002-059920/200208  
XRPX Acc No: N02-044529

Stock amount determining apparatus for goods exhibition shelf of retail store, determines optimum number of goods providing maximum profit during specific period

Patent Assignee: KAO CORP (KAOS ); PRICE WATERHOUSE CONSULTANT KK (PRIC-N)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2001312542	A	20011109	JP 2000132214	A	20000501	200208 B

Priority Applications (No Type Date): JP 2000132214 A 20000501

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 2001312542	A	12	G06F-017/60	

Abstract (Basic): JP 2001312542 A

NOVELTY - An optimum number of goods on exhibition shelf, that yields maximum profit during specific period is determined. When the goods stored in shelf is lesser than determined optimum number, another variety of goods are provided in the vacant space depending on profits per space.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for stock amount determining method.

USE - For determining stock amount in goods exhibition shelf of retail stores, vending machines.

ADVANTAGE - The space efficiency and the inventory efficiency of exhibition shelf of a retail store, are improved by determining the optimum number of goods.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of inventory control system with stock amount determining apparatus.

(Drawing includes non-English language text).

pp; 12 DwgNo 1/6

Title Terms: STOCK; AMOUNT; DETERMINE; APPARATUS; GOODS; EXHIBIT; SHELF ; RETAIL; STORAGE; DETERMINE; OPTIMUM; NUMBER; GOODS; MAXIMUM; PROFIT; SPECIFIC; PERIOD

Derwent Class: T01

International Patent Class (Main): G06F-017/60

File Segment: EPI

12/5/6 (Item 3 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013970987 \*\*Image available\*\*

WPI Acc No: 2001-455200/200149

XRPX Acc No: N01-337270

Component conveyance frequency evaluation device for system assembly, determines preparatory, transfer and process work time after component transfer until all components of last shelf are transferred to work site

Patent Assignee: SEKISUI CHEM IND CO LTD (SEKI )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2001159911	A	20010612	JP 200065224	A	20000309	200149 B

Priority Applications (No Type Date): JP 99271027 A 19990924

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes  
JP 2001159911 A 43 G05B-019/418

Abstract (Basic): JP 2001159911 A

NOVELTY - The preparatory work time for component transfer, is computed based on maximum weight of component and position data of shelf. Transfer work time is computed based on size and weight of component. Process work time after transfer, is computed based on component remaining on shelf after transfer. All the computed work times, are added and stored in memory. The processes are repeated until components of last shelf are transferred.

DETAILED DESCRIPTION - Supply work content and number of processes are determined based on computed number of processes data. Number of transfer process determined based on data extracted from master data memory and position data of shelf is added to preset number of process stored in memory. Another number of transfer process for group of goods computed based on number data and data extracted from master data memory section is added to the memory. The transfer process still to be completed, is computed based on data of variety after transfer process. The transfer process computed at present is added to preset number of transfer processes stored in memory. The processes are repeated until the components of last shelf are transferred. An INDEPENDENT CLAIM is also included for component conveyance frequency evaluation procedure.

USE - For evaluating number of conveyance process needed for transfer of large size components for system assembly from shelf to factory.

ADVANTAGE - The number of conveyance processes are computed correctly, so required man schedule can be determined.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of component conveyance frequency evaluation device. (Drawing includes non-English language text).

pp; 43 DwgNo 1/32

Title Terms: COMPONENT; CONVEY; FREQUENCY; EVALUATE; DEVICE; SYSTEM;  
ASSEMBLE; DETERMINE; PREPARATION; TRANSFER; PROCESS; WORK; TIME; AFTER;  
COMPONENT; TRANSFER; COMPONENT; LAST; SHELF; TRANSFER; WORK; SITE

Derwent Class: Q35; T01; T06

International Patent Class (Main): G05B-019/418

International Patent Class (Additional): B65G-001/137; G05B-015/02;  
G06F-017/50; G06F-017/60

File Segment: EPI; EngPI

12/5/7 (Item 4 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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012832650 \*\*Image available\*\*

WPI Acc No: 2000-004482/200001

XRPX Acc No: N00-003928

Automatic stamp selling apparatus for issuing stamp for e.g. documents  
mail, separate-delivery mail, international mail - enables visual  
confirmation of input stamp selling information via indicators  
corresponding to stamp boxes of stamp adjustment shelf

Patent Assignee: TOKYO ELECTRIC CO LTD (TODK )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
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JMB

Date: 24-May-05

JP 11283102 A 19991015 JP 9883139 A 19980330 200001 B

Priority Applications (No Type Date): JP 9883139 A 19980330

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

JP 11283102 A 14 G07F-011/00

Abstract (Basic): JP 11283102 A

NOVELTY - An information manager (50) controls stamp selling information from input unit (40). Visual confirmation of a stamp selling information is enabled via the indicators (13A-13N) corresponding to the stamp boxes (11A-11N) of a stamp adjustment shelf (10). A stamp paying-out unit (21) having a conveyor, a stamp cutter, and a stamp cassette is used to pay out stamps of designated number.

DETAILED DESCRIPTION - Based on the driving signal containing stamp selling information which is output by designating the stamp paying-out unit, the stamps of designated number are paid out. Based on a display signal, the stamp selling information is displayed on the indicators.

USE - For issuing stamp for e.g. documents mail, separate-delivery mail, international mail.

ADVANTAGE - Desired variety and number of stamps can be taken out quickly and correctly. DESCRIPTION OF DRAWING(S) - The figure shows a block diagram of the automatic stamp selling apparatus. (10) Stamp adjustment shelf; (11A-11N) Stamp boxes; (13A-13N) Indicators; (21) Stamp paying-out unit; (40) Input unit; (50) Information manager.

Dwg.1/18

Title Terms: AUTOMATIC; STAMP; SELL; APPARATUS; ISSUE; STAMP; DOCUMENT; MAIL; SEPARATE; DELIVER; MAIL; INTERNATIONAL; MAIL; ENABLE; VISUAL; CONFIRM; INPUT; STAMP; SELL; INFORMATION; INDICATE; CORRESPOND; STAMP; BOX; STAMP; ADJUST; SHELF

Derwent Class: T01; T05

International Patent Class (Main): G07F-011/00

International Patent Class (Additional): G06F-017/60; G07F-011/68

File Segment: EPI

12/5/8 (Item 5 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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010701174 \*\*Image available\*\*

WPI Acc No: 1996-198129/199620

XRPX Acc No: N96-166390

Multi-storage shelf management system - has sending mechanism for transmitting goods master file of store created with edit mechanism to corresp. store terminal

Patent Assignee: NEC SOFTWARE CHUBU LTD (NIDE)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 8069495	A	19960312	JP 94204792	A	19940830	199620 B

Priority Applications (No Type Date): JP 94204792 A 19940830

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

JP 8069495 A 6 G06F-017/60

## Abstract (Basic): JP 8069495 A

The system has a host computer (1) and many store terminals (7a-7n) that are connected by a data transmission circuit. The goods master file (2) which has the exhibition pattern consists of the group of the goods number which indicates exhibition position with the standard information such as, where it belongs.

A store master sorts the goods for every store and the goods number will be registered and then tabulated on the store master file (3). An editing unit (4) creates goods master file by each store from the goods master and store master.

ADVANTAGE - Enables work such as ordering in each store and inventory management with efficiency.

Dwg.1/4

Title Terms: MULTI; STORAGE; SHELF ; MANAGEMENT; SYSTEM; SEND; MECHANISM; TRANSMIT; GOODS; MASTER; FILE; STORAGE; EDIT; MECHANISM; CORRESPOND; STORAGE; TERMINAL

Derwent Class: T01; T05

International Patent Class (Main): G06F-017/60

International Patent Class (Additional): G07G-001/12; G07G-001/14

File Segment: EPI